# **EXHIBIT 14**



1140 Boylston Street, Boston, MA 02215-3693 Tel 617 266-1400 www.berklee.edu

### Dr. Richard Boulanger

Professor, Music Synthesis Department rboulanger@berklee.edu

#### Brian Transeau (BT)

Binary Acoustics www.binaryacoustics.com

c/o

#### Eric M. Stahl

Davis Wright Tremaine LLP 1501 4<sup>th</sup> Avenue Suite 2600 Seatle, WA 98101-1688 Voice: 206-628-7762 Fax: 206-628-7699 ericstahl@dwt.com

January 31, 2006

Regarding: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

Dear Brian,

Thank you for contacting me and requesting that I provide you with my expert opinion as to whether your drum loop *Aparthenonia* is a copy of, or is based on a digital manipulation of, the plaintiff's work, "Funky Drummer II." Although I have never previously served as an expert witness by deposition or at trial in a case such as this, I believe that I am particularly qualified to provide you with a definitive comparitive analysis of the two works. I base this belief on my unique experience and expertise in the area of Computer Music, Digital Sampling, Synthesis, Sound Design, and Digital Signal Processing, plus my work and publications associated with the premiere research tool for Computer Music — Csound; and especially my PhD. dissertation research in FFT-based Digital Signal Analysis and Resynthesis.

I have attached a copy of my resumé to further support my expertise and elaborate some on my extensive background by outlining some additional experience and credentials. I will provide a list of my publications under separate cover, but I note here that I am regarded internationally as one of the world's leading computer music composers, performers, researchers and teachers and I have edited and written the definitive textbook in the field -The Csound Book - published by MIT Press that is used to teach musicians, engineers, and computer scientists, the fundamentals of digital signal processing at universities and conservatories around the world. Furthermore, I have another defining textbook in the works for MIT Press that will be released in the winter of 2007 - The Audio Programming Book that teaches how to write the software and create the tools required to do the computer analysis that you have requested of me. I also have twenty years of teaching experience at the world's premiere conservatory of contemporary music recording and production - The Berklee College of Music in Boston; five years of research at one of the world's leading research labs - The Center for Music Experiment at UC San Diego; twenty-five years of work and extensive collaboration with the "father of computer music" Dr. Max Mathews at both Bell Laboratories and Stanford University; twenty-one years of work on Csound: The Universal Software Synthesis and Signal Processing Language with computer music pioneer - Dr. Barry Vercoe, at the MIT Media Lab in Boston; computer music research at IBM in New York (resulting in several patents) and Interval Research in California (resulting in several new synthesis technologies and patents).

In preparing this report, I relied primarily on the .mp3 files Aparthenonia and Funky Drummer II that you provided me. I also reviewed the following documents for background on the case:

- \* Plaintiffs' Second Amended complaint
- \* Defendant's 6/30/05 memorandum in support of defendants' motion for summary judgment and supporting documentation (including Ricigliano, Moody and Transeau declarations with attachments)
  - \* 7/22/05 Plaintiffs' Opposition to summary judgment (Including Rodriguez and Ritter declarations)
  - \*10/26/05 Order on summary judgment motion

My compensation for this assignment is under discussion and has not yet been finally determined.

To do my comparative analysis of the two drum-loops, I used specialized Fast Fourier Transform (FFT-based) spectral analysis algorithms from the following three digital audio research editing/processing/visualization tools for the Macintosh computer: Spear, WaveSurfer, and Audacity. A Fourier-Transform converts a time-domain representation/display (as illustrated by waveform analysis) of a sound (the physical pressure wave that we experience) into a frequency-domain representation (showing the unique timbre, spectrum, "color") of a sound (the unique frequency signature of a sound that we perceive). Thus, an FFT Analysis will reveal those characteristic features of a sound that define it as being unique. FFT-analysis is the equivalent of DNA testing for audio. The tool itself functions as a sonic microscope. It reveals, documents, and details all the hidden inner complexity that give every sound its unique fingerprint and individuality. Whereas a waveform analysis provides us with a useful general composite view of the rhythm and overall amplitude of a combined sound event, an FFT analysis will separate out all the components in a complex sound event and show how they evolve in time and contribute to make up the sound that we identify as unique. (Fourier was the French mathematician who proved that any complex sound could be deconstructed and reconstructed via a sum of harmonics (or sine waves). His mathematical model parallels how the cochlea in the inner ear translates the physical pressure wave that moves the eardrum, into discrete frequencies that stimulate particular receptors along the cochlea that are transmitted and mapped in the brain as multi-dimensional spectral images - what the Fourier Transform does on a computer very closely models what happens in our inner ear and in our brains. I like to explain it to my students as follows - We experience sound in the Time-Domain (waveform view), but we perceive sound in the Frequency-Domain (Fourier view). Whereas, a waveform analysis can be used to show that these two rather commonplace and mundane drum patterns at issue here might have some similarities, an FFT analysis will show us that the sounds that constitute these two drum loops are totally unique. A carefully tuned and equivalently set FFT-Analysis will reveal the unique DNA of any and every sound.

To show the actual tone-colors and timbres, I used a *Sonogram*-view an *FFT-view* and a *Frequency Analysis* view. The sonogram will be used to compare the one-bar patterns over time with the *X-axis* showing spectral evolution over time and the *Y-axis* showing the unique *frequency* content as it evolves over time. The Fourier-view will represent *frequency* on the *X-axis* and show the detailed number of harmonics, and the *amplitude* of these frequency components on the *Y-axis*. The Frequency Analysis view shows an overall unique visual contour in which the X-axis represents frequency, and the Y-axis represent amplitude. Thus, differences in the overall shapes or contours correspond to differences in the sound. Numerical output of the analysis will also show that "the numbers" – which show amplitude, frequency, and analysis band are very different – and thus so too are the sounds. I have also done some Pitch-tracking, which shows that the pitches of the percussions instruments are unique as well. Finally, isolating individual beats and comparing them, shows that in general, there is a great deal "more" spectral information in Brian Transeau's drum-loop and thus more unique content as well.

The process I used is as follows. I converted the .mp3 version of each drum-loop into a more professional .aif format. Then I isolated one bar of each drumloop. Then I split the stereo files into mono files and analyzed the same single channel from each file. Then I edited out and isolated individual beats for more detailed comparison. Once these source materials were prepared for analysis I create the following tables:

- 1. The first view is a complete sonograms of each file using WaveSurfer which produces a grey-scale composites whose shading illustrates the unique amplitude of each spectral component/band (Figure 1)
- 2. The second set of figures (Figures 2 5) use WaveSurfer's spectral and waveform views to compare individual beats of both works.
- 3. The third set of figures (Figures 6 11) use *Spear* to view the entire 1-bar pattern of both works and use frequency lines to clearly indicate the unique life, death and trajectory of each frequency/spectral component over time.
- 4. Figures 12 and 13 show some of the data analysis from *Spear* which indicates that the partials that constitute each .mpe file are themselves unique in number, duration, and size.
- 5. Figure 14 shows the setting used in Spear to do the analysis and result in this data set.
- 6. Figures 15 22 use Spear's sonogram view to show and compare the unique contours of the lower frequency

- components of individual beats in each .mp3 file.
- Figure 23 uses the program Audacity to superimpose the Waveform and Sonogram views of the entire 1-bar loop of both .mpe files. Note the unique shading and streaks in each that indicate unique frequency content.
- 8. Figure 24 uses Audacity to superimpose the Waveform and Pitch Analysis views of the entire 1-bar loop of both files. Although faint, you can see that there is unique pitch content in each of these soundfiles.
- 9. Figures 25 and 26 use enhanced autocorrelation in Audacity (which builds up dynamic multiple bandpass-bandreject filters that pass frequencies with continuous energy and reject frequencies without continuous energy and therefore allows the pitch to pass freely while blocking the hiss, clicks, and ticks of the drums and thus allowing us to better isolate, focus upon and compare the unique pitch-content of each of the one-bar drumloops. Clearly they are unique and show unique overall pitch content.
- 10. Figures 27 and 28 are text outputs of the actual numerical data uses to draw the plots show in figures 25 and 26. In the three columns, we see the time, frequency, and amplitude of each spectral component. Comparing the same time point in figure 27 to that time point in figure 28 will reveal a difference in amplitude and thus show that they are unique. Likewise, comparing the same frequency values will show that they appear at unique timings and have unique amplitudes and are thus unique.
- 11. Finally, figures 29 36 use Audacity to do a comparative frequency analysis of each beat of the two soundfiles. These unique overall shapes (referred to as their spectral envelopes or signatures) show unique and different spectral content for each beat of each soundfile.

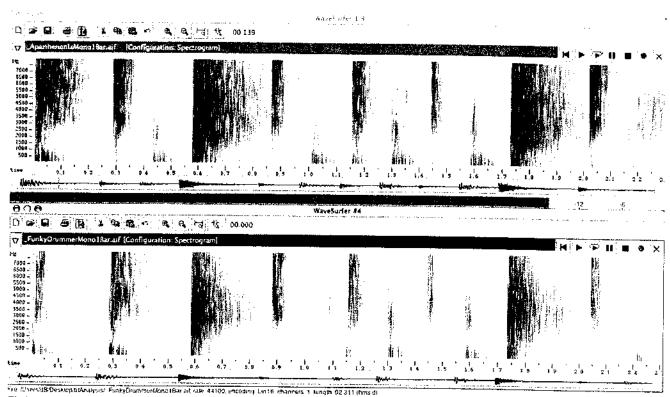


Fig1. WaveSurfer Spectrum of 1-bar loop (Aparthenonia on top, Funky Drummer on bottom – Note Different Spectral Content)

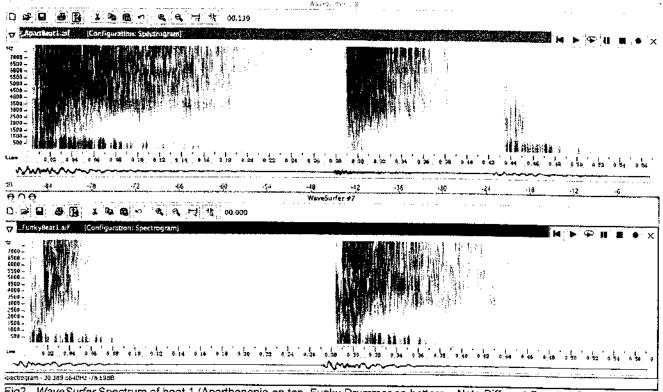


Fig2. WaveSurfer Spectrum of beat 1 (Aparthenonia on top, Funky Drummer on bottom - Note Different Spectral Content)

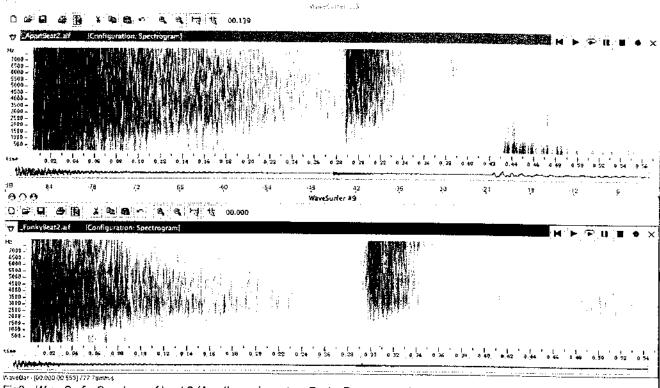


Fig3. WaveSurfer Spectrum of beat 2 (Aparthenonia on top, Funky Drummer on bottom - Note Different Spectral Content)

Boulanger 4: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

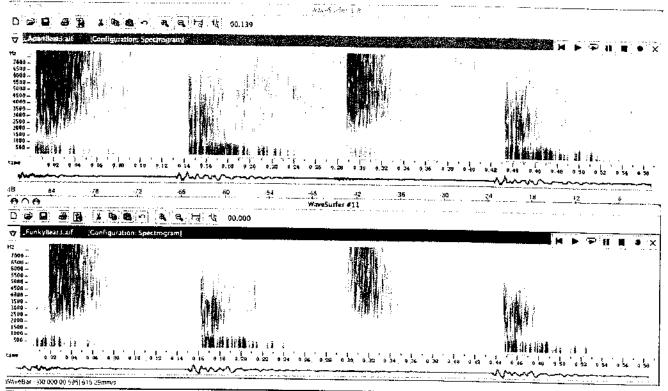


Fig4. WaveSurfer Spectrum of beat 3 (Aparthenonia on top, Funky Drummer on bottom - Note Different Spectral Content)

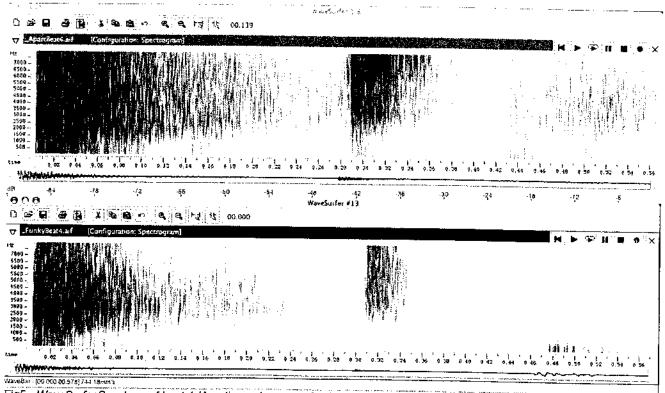
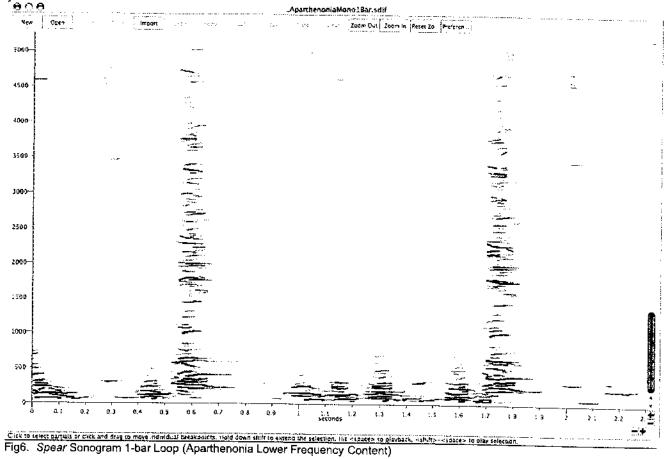
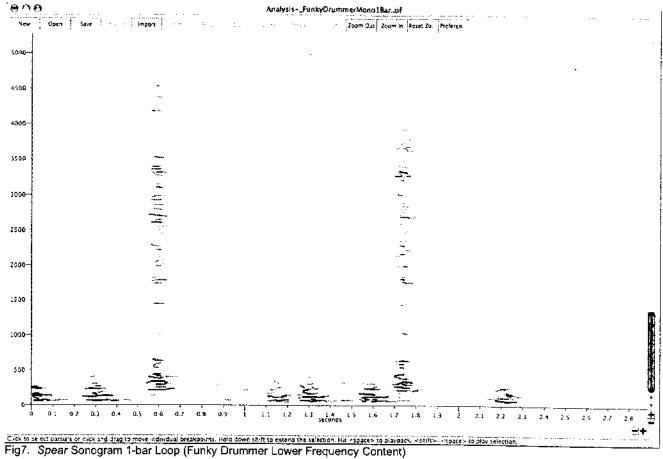
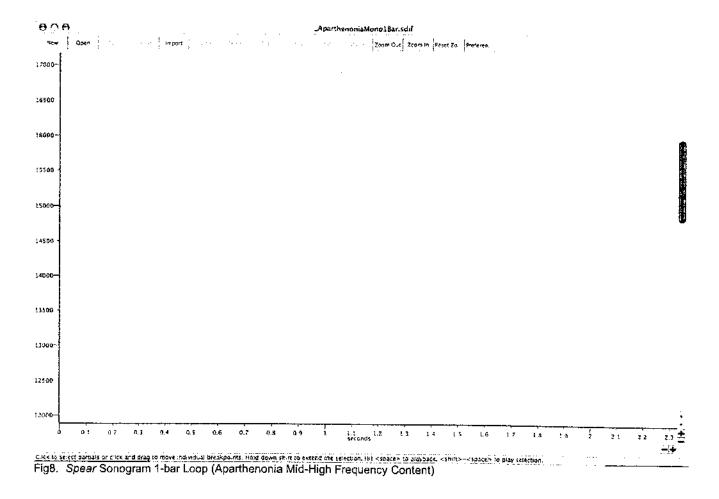


Fig5. WaveSurfer Spectrum of beat 4 (Aparthenonia on top, Funky Drummer on bottom - Note Different Spectral Content)

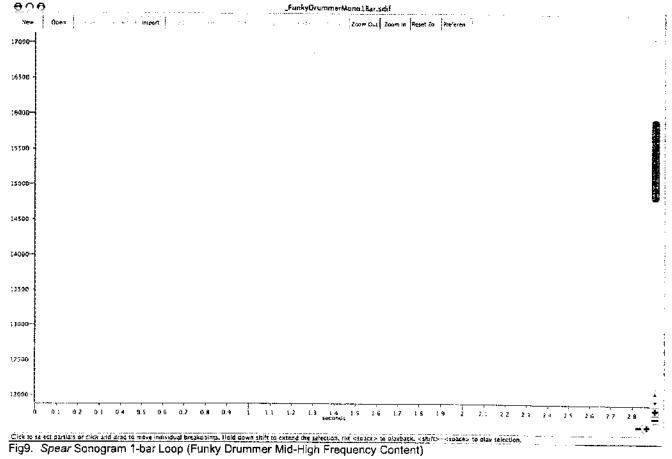
Boulanger 5: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

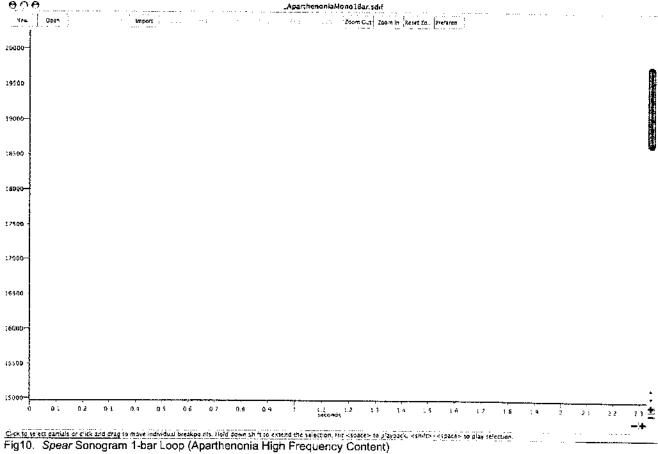


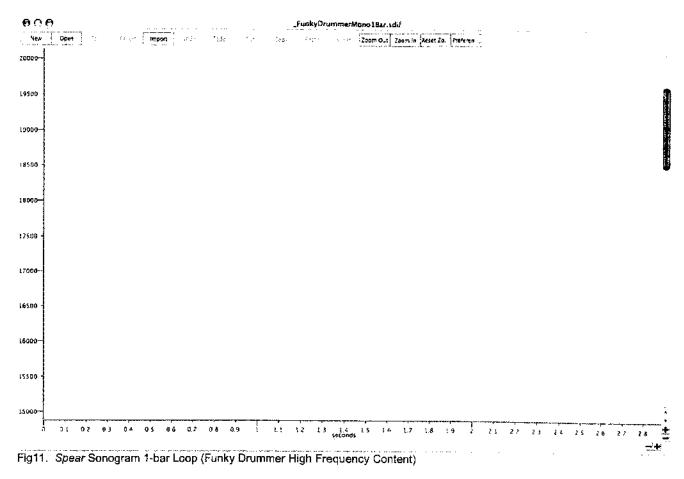




Boulanger 8: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"







~~**~~** 

Total partials: 4983 Total points 68163

Elements per point 4

Required storage 1.382305 M8 Minimum length partial: 1 pts. Maximum length partial: 177 pts.

4601 partials less than 0.500000 seconds

304 partials between 0.500000 and 1.000000 seconds

78 partials greater then 1.000000 seconds

Fig12. Spear Console 1-bar Loop (Aparthenonia DATA)

Total partials: 4242 Total points 55671

Elements per point 4

Required storage 1.140812 MB Minimum length partial: 1 pts. Maximum length partial: 173 pts.

3956 partials less than 0.500000 seconds

213 partials between 0.500000 and 1.000000 seconds

73 partials greater then 1.000000 seconds

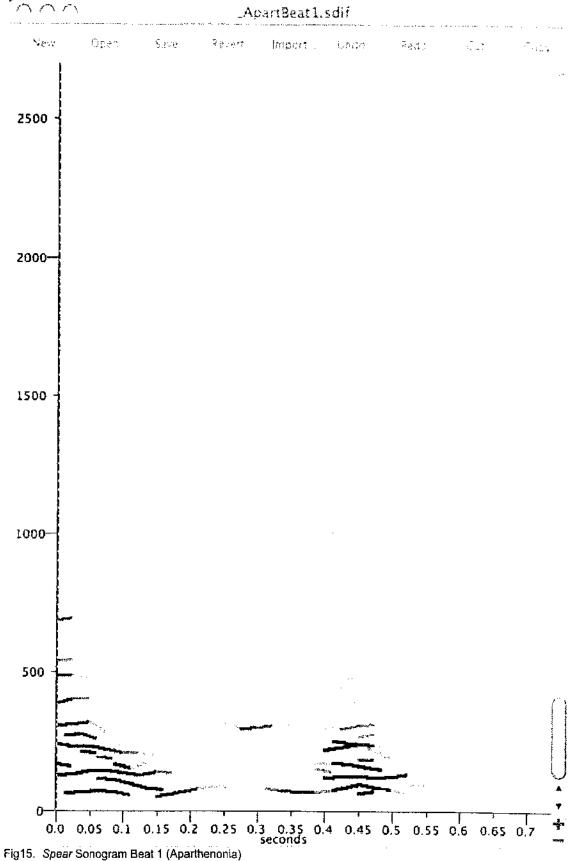
Fig13. Spear Console 1-bar Loop (Funky Drummer DATA)

Boulanger 11: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

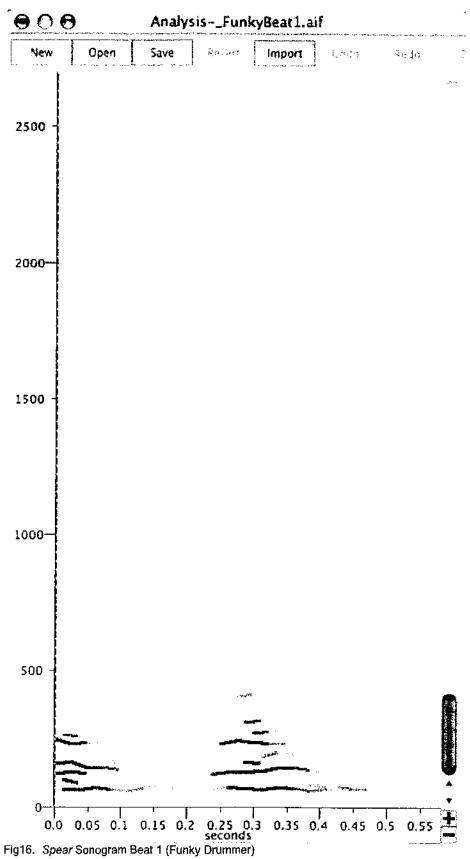
## Sinusoidal Partials Analysis

Sampling Rate: 44100	II) Signed 16 bit PCM  Channels: 1 Duration: 00:00:00.576
	Choose File
Perform time reassig	nmet transient sharpening
Frequency Resolution:	Hz MIDI Keynumber: 27.487 (Eb1)
Window size: 4411 FFT	size: 16384 Hop size: 551
Analysis Channel:	
Start Time: 0.0	sec. End Time: 0.576 sec.
Minimum Amplitude Thr	eshold: -90 dB
	der Peak: -60 dB

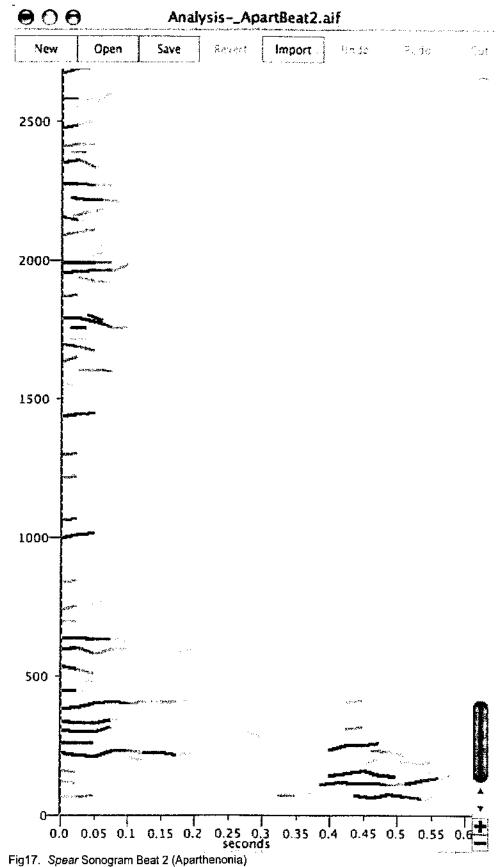
Fig14. Spear Sonogram (Analysis Settings)



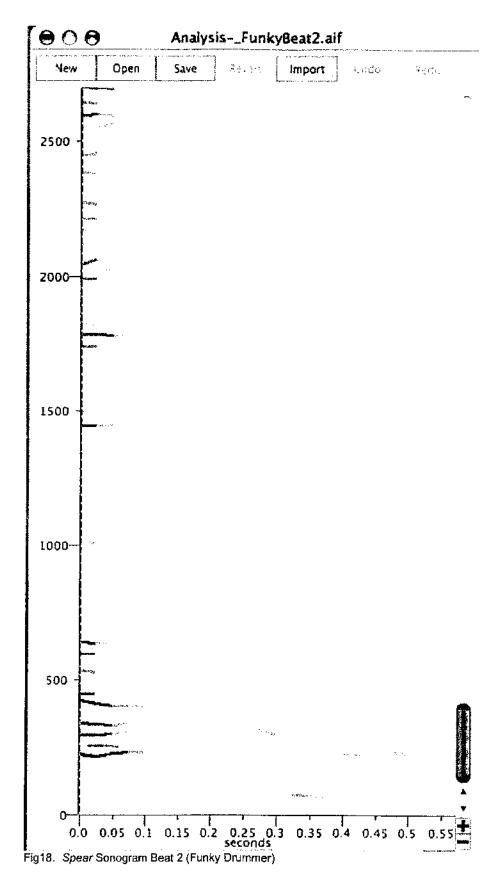
Boulanger 13: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"



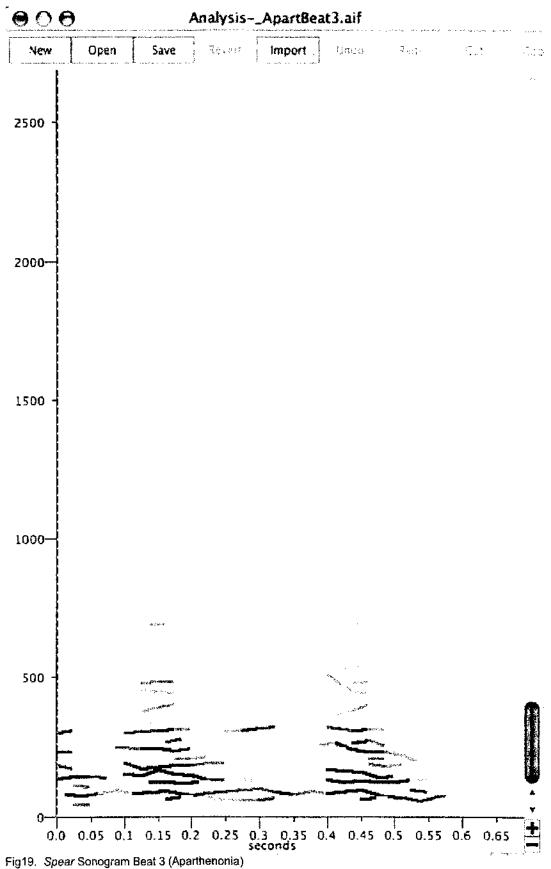
Boulanger 14: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"



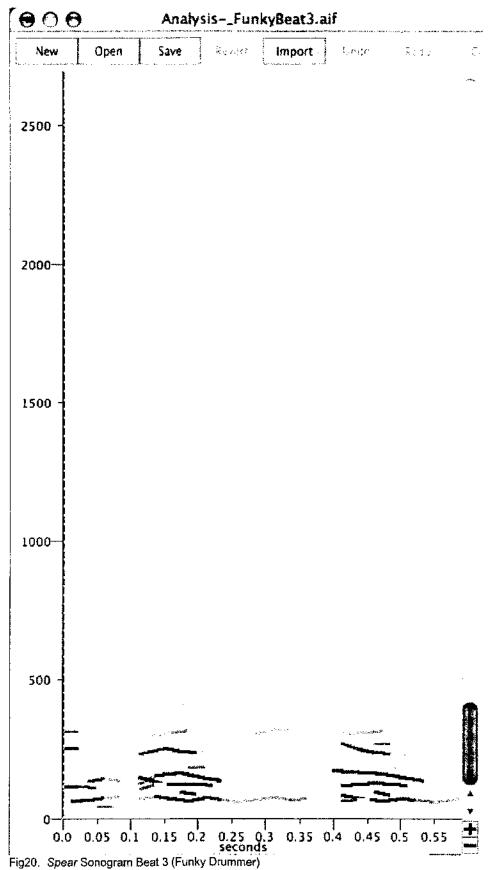
Boulanger 15: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"



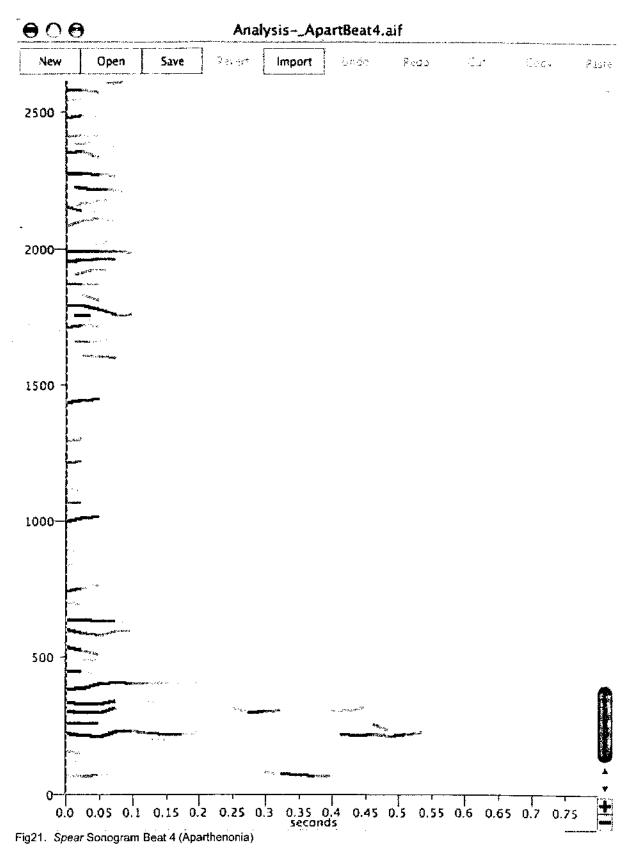
Boulanger 16: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"



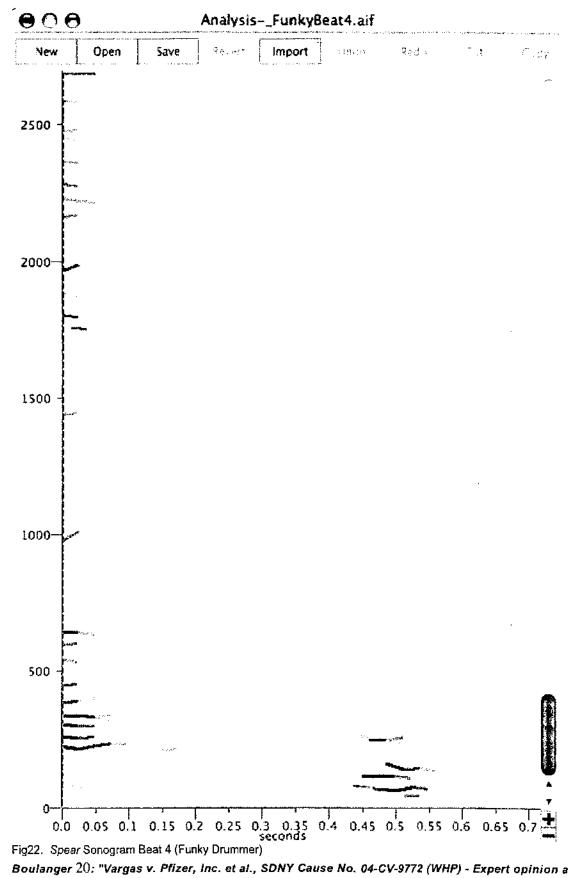
Boulanger 17: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"



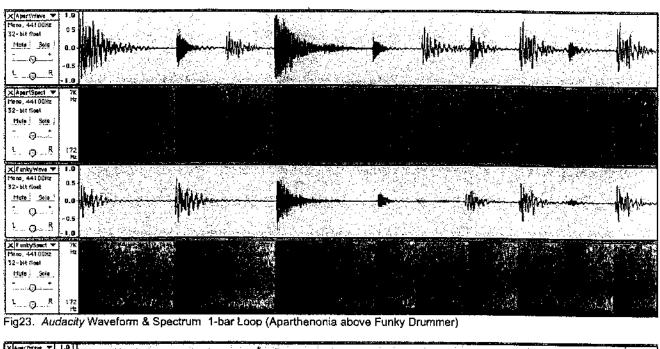
Boulanger 18: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"



Boulanger 19: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"



Boulanger 20: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"



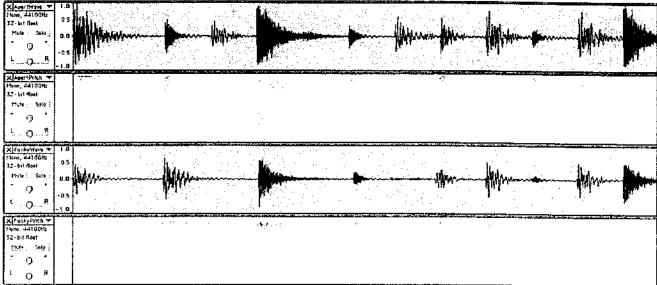


Fig24. Audacity Waveform & Pitch 1-bar Loop (Aparthenonia above Funky Drummer)

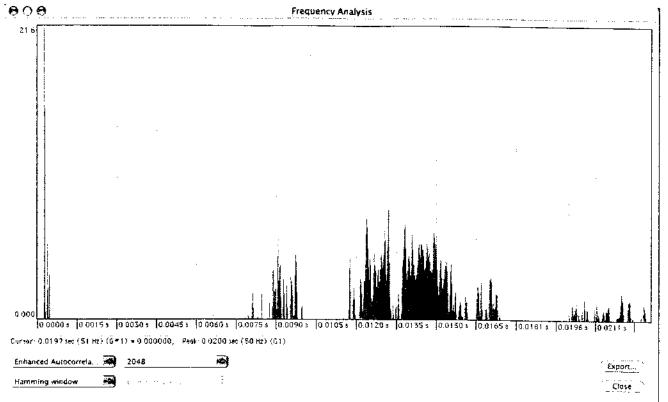


Fig25. Audacity Enhanced Correlation Frequency Analysis 1-bar Loop (Aparthenonia)

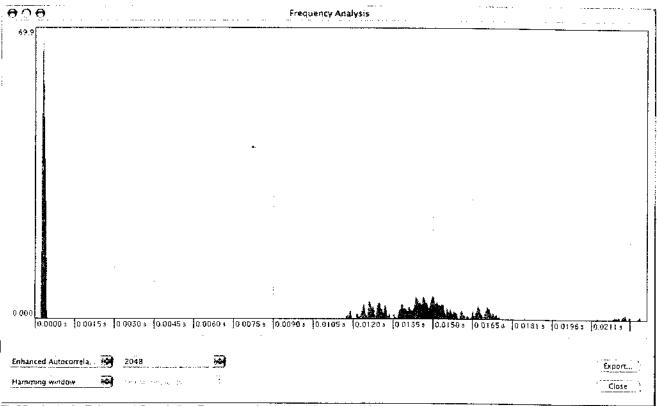


Fig26. Audacity Enhanced Correlation Frequency Analysis 1-bar Loop (Funky Drummer)

Boulanger 22: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

Lag (seconds)	Frequency (Hz)	Level
0.000023	1.000000	0.000000
0.000045	0.500000	0.000000
0.000068	0.333333	0.000000
0.000091	0.250000	0.000000
0.000113	0.200000	0.000000
0.000136	0.166667	0.000000
0.000159	0.142857	0.000000
0.000181	0.125000	0.000000
0.000204	0.111111	0.000000
0.000227	0.100000	0.000000
0.000249	0.090909	21.553040
0.000272	0.083333	20.215500
0.000295	0.076923	0.759315
	0.071429	0.000000
0.000317		
0.000340	0.066667	0.000000
0.000363	0.062500	3.803909
0.000385	0.058824	6.605278
0.000408	0.055556	0.634415
0.000431	0.052632	0.000000
0.000454	0.050000	3.611328
0.000476	0.047619	0.000000
0.000499	0.045455	0.000000
0.000522	0.043478	0.000000
0.000544	0.041667	0.000000
0.000567	0.040000	0.000000
0.000590	0.038462	0.000000
	0.037037	0.000000
0.000612		
0.000635	0.035714	0.000000
0.000658	0.034483	0.000000
0.000680	0.033333	0.000000
0.000703	0.032258	0.000000
0.000726	0.031250	0.000000
0.000748	0.030303	0.000000
	0.029412	0.000000
0.000771		
0.000794	0.028571	0.000000
0.000816	0.027778	0.000000
0.000839	0.027027	0.000000
0.000862	0.026316	0.000000
0.000884	0.025641	0.000000
0.000907	0.025000	0.000000
0.000930	0.024390	0.000000
		0.000000
0.000952	0.023810	
0.000975	0.023256	0.000000
0.000998	0.022727	0.000000
0.001020	0.022222	0.000000
0.001043	0.021739	0.000000
0.001066	0.021277	0.000000
0.001088	0.020833	0.000000
0.001000	0.020408	0.000000
		0.000000
0.001134	0.020000	
0.001156	0.019608	0.000000
0.001179	0.019231	0.000000
0.001202	0.018868	0.000000
0.001224	0.018519	0.000000
0.001247	0.018182	0.000000
	0.017857	0.000000
0.001270		0.000000
0.001293	0.017544	
0.001315	0.017241	0.000000
0.001338	0.016949	0.000000
0.001361	0.016667	0.000000
0.001383	0.016393	0.000000
0.001406	0.016129	0.000000
0.001429	0.015873	0.000000
0.001451	0.015625	0.000000
0.001474	0.015385	0.000000
22	. W. C	14

Boulanger 23: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.001497	0.015152	0.000000
0.001519	0.014925	0.000000
0.001542	0.014706	0.000000
0.001565	0.014493	0.000000
0.001587	0.014286	0.000000
0.001610	0.014085	0.000000
0.001633	0.013889	0.000000
0.001655	0.013699	0.000000
0.001678	0.013514	0.000000
0.001701	0.013333	0.000000
0.001723	0.013158	0.000000
0.001746	0.012987	0.000000
0.001769	0.012821	0.000000
0.001791	0.012658	0.000000
0.001814	0.012500	0.000000
0.001837	0.012346	0.000000
0.001859	0.012195	0.000000
0.001882	0.012048	0.000000
0.001905	0.011905	0.000000
0.001927	0.011765	0.000000
0.001950	0.011628	0.000000
0.001973	0.011494	0.000000
0.001995	0.011364	0.000000
0.002018	0.011236	0.000000
0.002041	0.011111	0.000000
0.002063	0.010989	0.000000
0.002086	0.010870	0.000000
0.002109	0.010753	0.000000
0.002132	0.010638	0.000000
0.002154	0.010526	0.000000
0.002177	0.010417	0.000000
0.002200	0.010309	0.000000
0.002222	0.010204	0.000000
0.002245	0.010101	0.000000
0.002268	0.010000	0.000000
0.002290	0.009901	0.000000
0.002313	0.009804	0.000000
0.002336	0.009709	0.000000
0.002358	0.009615	0.000000
0.002381	0.009524	-0.000000
0.002404	0.009434	0.000000
0.002426	0.009346	0.000000
	0.009340	
0.002449		0.000000
0.002472	0.009174	0.000000
0.002494	0.009091	0.000000
0.002517	0.009009	0.000000
	0.008929	0.000000
0.002540		
0.002562	0.008850	0.000000
0.002585	0.008772	0.000000
0.002608	0.008696	0.000000
0.002630	0.008621	0.000000
0.002653	0.008547	0.000000
0.002676	0.008475	0.000000
0.002698	0.008403	-0.000000
0.002721	0.008333	0,000000
0.002744	0.008264	-0.000000
0.002766	0.008197	0.000000
0.002789	0.008130	-0.000000
0.002812	0.008065	0.000000
0.002834	0.008000	-0.000000
0.002857	0.007937	0.000000
0.002880	0.007874	-0.000000
0.002902	0.007812	0.000000
0.002925	0.007752	-0.000000
0.002948	0,007692	0.000000
0.002971	0.007634	-0.000000
		Pfizer Inc. et a
COMMONER /4'	varous v	FUZME LOC PER

Boulanger 24: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.002993	0.007576	0.000000
	0.007519	-0.000000
0.003016		
0.003039	0.007463	0.000000
0.003061	0.007407	-0.000000
0.003084	0.007353	0.000000
0.003107	0.007299	-0.000000
0.003129	0.007246	0.000000
0.003152	0.007194	-0.000000
	0.007143	0.000000
0.003175		
0.003197	0.007092	-0.000000
0.003220	0.007042	0.000000
0.003243	0.006993	-0.000000
0.003265	0.006944	0.000000
0.003288	0.006897	-0.000000
0.003311	0.006849	0.000000
	0.006803	-0.000000
0.003333		
0.003356	0.006757	0.000000
0.003379	0.006711	-0.000000
0.003401	0.006667	0.000000
0.003424	0.006623	-0.000000
0.003447	0.006579	0.000000
0.003469	0.006536	-0.000000
0.003409	0.006494	0.000000
0.003515	0.006452	-0.000000
0.003537	0.006410	0.000000
0.003560	0.006369	-0.000000
0.003583	0.006329	0.000000
0.003605	0.006289	-0.000000
0.003628	0.006250	0.000000
0.003651	0.006211	-0.000000
	0.006211	0.000000
0.003673		
0.003696	0.006135	-0.000000
0.003719	0.006098	0.000000
0.003741	0.006061	-0.000000
0.003764	0.006024	0.000000
0.003787	0.005988	-0.000000
0.003810	0.005952	0.000000
0.003832	0.005917	-0.000000
0.003855	0.005882	0.000000
0.003878	0.005848	-0.000000
0.003900	0.005814	0.000000
0.003923	0.005780	-0.000000
0.003946	0.005747	0.000000
0.003968	0.005714	-0.000000
0.003991	0.005682	0.000000
0.004014	0.005650	-0.000000
0.004036	0.005618	0.000000
-	0.005587	-0.000000
0.004059		
0.004082	0.005556	0.000000
0.004104	0.005525	-0.000000
0.004127	0.005495	0.000000
0.004150	0.005464	-0.000000
0.004172	0.005435	0.000000
0.004195	0.005405	-0.000000
0.004218	0.005376	0.000000
	0.005348	-0.000000
0.004240		
0.004263	0.005319	0.000000
0.004286	0.005291	-0.000000
0.004308	0.005263	0.000000
0.004331	0.005236	-0.000000
0.004354	0.005208	0.000000
0.004376	0.005181	-0.000000
0.004399	0.005155	0.000000
	0.005133	-0,000000
0.004422		
0.004444	0.005102	0.000000
0.004467	0.005076	-0.000000
D! 25	"Warman W	Direction of a

Boulanger 25: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.004490	0.005051	0.000000
0.004512	0.005025	-0.000000
0.004535	0.005000	0.000000
0.004558	0.004975	-0.000000
0.004580	0.004950	0.000000
0.004603	0.004926	-0.000000
0.004626	0.004902	0.000000
0.004649	0.004878	-0.000000
0.004671	0.004854	0.000000
0.004694	0.004831	-0.000000
0.004717	0.004808	0.000000
0.004711	0.004785	-0.000000
0.004762	0.004762	0.000000
0.004785	0.004739	-0.000000
0.004765	0.004717	0.000000
	0.004717	-0.000000
0.004830	0.004693	0.000000
0.004853	0.004673	-0.000000
0.004875		0.000000
0.004898	0.004630	-0.000000
0.004921	0.004608	
0.004943	0.004587	0.000000
0.004966	0.004566	-0.000000
0.004989	0.004545	0.000000
0.005011	0.004525	-0.000000
0.005034	0.004505	0.000000
0.005057	0.004484	-0.000000
0.005079	0.004464	0.000000
0.005102	0.004444	-0.000000
0.005125	0.004425	0.000000
0.005147	0.004405	-0.000000
0.005170	0.004386	0.000000
0.005193	0.004367	-0.000000
0.005215	0.004348	0.000000
0.005238	0.004329	-0.000000
0.005261	0.004310	0.000000
0.005283	0.004292	-0.000000
0.005306	0.004274	0.000000
0.005329	0.004255	-0.000000
0.005351	0.004237	0.000000
0.005374	0.004219	-0.000000
0.005397	0.004202	0.000000
0.005420	0.004184	-0.000000
0.005442	0.004167	0.000000
0.005465	0.004149	-0.000000
0.005488	0.004132	0.000000
0.005510	0.004115	-0.000000
0.005533	0.004098	0.000000
0.005556	0.004082	-0.000000
0.005578	0.004065	0.000000
0.005601	0.004049	-0.000000
0.005624	0.004032	0.000000
0.005646	0.004016	-0.000000
0.005669	0.004000	0.000000
0.005692	0.003984	-0.000000
0.005714	0,003968	0.000000
0.005737	0.003953	-0.000000
0.005760	0.003937	0.000000
0.005782	0.003922	-0.000000
0.005805	0.003906	0.000000
0.005828	0.003891	-0.000000
0.005850	0.003876	0.000000
0.005873	0.003861	-0.000000
0.005896	0.003846	0.000000
0.005918	0.003831	-0.000000
0.005941	0.003817	0.000000
0.005964	0.003802	-0.000000
5.000007	- 26. m/	Officer inc of a

Boulanger 26: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.005000	0.002700	A 000000
0.005986	0.003788	0.000000
0.006009	0.003774	-0.000000
0.006032	0.003759	0.000000
0.006054	0.003745	-0.000000
0.006077	0.003731	0.000000
0.006100	0.003717	-0.000000
0.006122	0.003704	0.000000
0.006145	0.003690	-0.000000
0.006168	0.003676	0.000000
0.006190	0.003663	-0.000000
0.006213	0.003650	0.000000
0.006236	0.003636	-0.000000
0.006259	0.003623	0.000000
0.006281	0.003610	-0.000000
0.006304	0.003597	0.000000
0.006327	0.003584	-0.000000
0.006349	0.003571	0.000000
0.006372	0.003559	-0,000000
0.006395	0.003546	0.000000
0.006417	0.003534	-0.000000
0.006440	0.003521	0.000000
0.006463	0.003509	-0.000000
	0.003497	0.000000
0.006485		
0.006508	0.003484	-0.000000
0.006531	0.003472	0.000000
0.006553	0.003460	-0.000000
0.006576	0.003448	0.000000
	0.003436	-0.000000
0.006599		· ·
0.006621	0.003425	0.030350
0.006644	0.003413	0.720607
0.006667	0.003401	0.000000
0.006689	0.003390	-0.000000
		· ·
0.006712	0.003378	0.000000
0.006735	0.003367	-0.000000
0.006757	0.003356	0.000000
0.006780	0.003344	-0.000000
0.006803	0.003333	0.000000
0.006825	0.003322	-0.000000
0.006848	0.003311	0.000000
0.006871	0.003300	-0.000000
0.006893	0.003289	0.000000
0.006916	0.003279	-0.000000
0.006939	0.003268	0.000000
0.006961	0.003257	-0.000000
0.006984	0.003247	0.000000
0.007007	0.003236	-0.000000
0.007029	0.003226	0.000000
0.007052	0.003215	-0.000000
0.007075	0.003205	0.000000
0.007098	0.003195	-0.000000
0.007120	0.003185	0.000000
0.007143	0.003175	-0,000000
0.007166	0.003165	0.000000
0.007188	0.003155	-0.000000
0.007211	0.003145	0.000000
0.007234	0.003135	-0.000000
	0.003125	0.000000
0.007256		
0.007279	0.003115	-0.000000
0.007302	0.003106	0.000000
0.007324	0.003096	-0.000000
0.007347	0.003086	0.000000
0.007370	0.003077	-0.000000
0.007392	0.003067	0.000000
0.007415	0.003058	-0.000000
0.007438	0.003049	0.000000
0.007460	0.003040	-0.000000
Boulanage 27.	"Varnat V	Pfizer Inc. et a

Boulanger 27: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.007400	0.003030	0.000000
0.007483		
0.007506	0.003021	-0.000000
0.007528	0.003012	0.000000
0.007551	0.003003	-0.000000
0.007574	0.002994	0.000000
0.007596	0.002985	-0.000000
0.007619	0.002976	0.000000
0.007642	0.002967	-0.000000
		0.000000
0.007664	0.002959	
0.007687	0.002950	-0.000000
0.007710	0.002941	0.000000
0.007732	0.002933	-0.000000
		0.000000
0.007755	0.002924	
0.007778	0.002915	-0.000000
0.007800	0.002907	0.000000
0.007823	0.002899	-0.000000
		0.000000
0.007846	0.002890	
0.007868	0.002882	0.331496
0.007891	0.002874	0.000000
0.007914	0.002865	-0.000000
	0.002857	0.000000
0.007937		
0.007959	0.002849	-0.000000
0.007982	0.002841	0.608095
0.008005	0.002833	-0.000000
0.008027	0.002825	0.000000
0.008050	0.002817	-0.000000
0.008073	0.002809	0.000000
0.008095	0.002801	-0.000000
		0.655745
0.008118	0.002793	
0.008141	0.002786	2.066183
0.008163	0.002778	1.835125
0.008186	0.002770	-0.000000
	0.002762	0.000000
0.008209		•
0.008231	0.002755	-0.000000
0.008254	0.002747	0.000000
0.008277	0.002740	-0.000000
0.008299	0.002732	0.000000
0.008322	0.002725	-0.000000
0.008345	0.002717	0.463953
0.008367	0.002710	-0.000000
0.008390	0.002703	0.000000
0.008413	0.002695	-0.000000
0.008435	0.002688	0.000000
0.008458	0.002681	-0.000000
0.008481	0.002674	0.000000
0.008503	0.002667	2.051878
0.008526	0.002660	0.000000
0.008549	0.002653	-0.000000
0.008571	0.002646	0.000000
0.008594	0.002639	-0.000000
		0.000000
0.008617	0,002632	
0.008639	0.002625	-0.000000
0.008662	0.002618	0.000000
0.008685	0.002611	-0.000000
		0.000000
0.008707	0.002604	
0.008730	0.002597	-0.000000
0.008753	0.002591	0.000000
0.008776	0.002584	1.412363
	0.002577	0.000000
0.008798		
0.008821	0.002571	-0.000000
0.008844	0.002564	0.000000
0.008866	0.002558	-0.000000
0.008889	0.002551	1.779446
0.008912	0.002545	4.637920
0.008934	0.002538	3,199990
0.008957	0.002532	1.678653
		Pfizer Inc. et a

Boulanger 28: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

		0.000705
0.008980	0.002525	2.088795
0.009002	0.002519	2.363193
0.009025	0.002513	1.266256
0.009048	0.002506	-0.000000
0.009070	0.002500	2.719098
0.009093	0.002494	7.756382
0.009116	0.002488	4.127491
0.009138	0.002481	1.837810
0.009161	0.002475	4.841058
	0.002469	3.711902
0.009184		
0.009206	0.002463	1.286673
0.009229	0.002457	0.594875
0.009252	0.002451	0.000000
0.009274	0.002445	0.304012
0.009297	0.002439	2,858684
0.009320	0.002433	3.015993
		0.429845
0.009342	0.002427	
0,009365	0.002421	-0.000000
0.009388	0.002415	0.000000
0.009410	0.002410	1.522691
0.009433	0.002404	2.656686
0.009456	0.002398	0.696606
0.009478	0.002392	0.000000
0.009501	0.002387	-0.000000
0.009524	0.002381	0.000000
0.009546	0.002375	-0.000000
0.009569	0.002370	2.894464
0.009592	0.002364	3.453092
0.009615	0.002358	2.339815
0.009637	0.002353	2.558439
0.009660	0.002347	1.485211
0.009683	0.002342	0.084416
0.009705	0.002336	0.158762
0.009728	0.002331	2.922977
0.009751	0.002326	4.784974
*		
0.009773	0.002320	4.644542
0.009796	0.002315	3.335803
0.009819	0.002309	0.286866
0.009841	0.002304	0.000000
0.009864	0.002299	-0.000000
0.009887	0.002294	0.000000
0.009909	0.002288	-0.000000
0.009932	0.002283	0.000000
0.009955	0.002278	-0.000000
0.009977	0.002273	0,701921
0.010000	0.002268	1,547218
0.010023	0.002262	0.000000
0.010045	0.002257	-0.000000
0.010068	0.002252	0.000000
0.010091	0.002247	-0.000000
	0.002242	0.000000
0.010113		
0.010136	0.002237	-0.000000
0.010159	0.002232	0.000000
0.010181	0.002227	-0.000000
	0.002222	0.000000
0.010204		
0.010227	0.002217	-0.000000
0.010249	0.002212	0.000000
0.010272	0.002208	-0.000000
		0.000000
0.010295	0.002203	
0.010317	0.002198	-0.000000
0.010340	0.002193	0.000000
0.010363	0.002188	-0.000000
	0.002183	0.000000
0.010385		
0.010408	0.002179	-0,000000
0.010431	0.002174	0.000000
0.010454	0.002169	-0.000000
		Pfizer Inc. et a
- HALLIANARE /U	· "Watmar W	-TITOL INC ALS

Boulanger 29: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.040470	0.000465	0.000000
0.010476	0.002165	
0.010499	0.002160	-0.000000
0.010522	0.002155	0.000000
0.010544	0.002151	-0.000000
0.010567	0.002146	0.000000
0.010590	0.002141	-0.000000
0.010612	0.002137	0.000000
0.010635	0.002132	-0.000000
0.010658	0.002128	0.000000
0.010680	0.002123	-0.000000
0.010703	0.002119	0.000000
0.010726	0.002114	-0.000000
0,010748	0.002110	0.000000
0.010771	0.002105	-0.000000
0.010794	0.002101	0.000000
0.010816	0.002096	-0.000000
	0.002092	0.000000
0.010839		
0.010862	0.002088	-0.000000
0.010884	0.002083	0.000000
0.010907	0.002079	-0.000000
0.010930	0.002075	0.000000
0.010952	0.002070	-0.000000
0.010975	0.002066	0.000000
		-0.000000
0.010998	0.002062	
0.011020	0.002058	0.000000
0.011043	0.002053	-0.000000
0.011066	0.002049	0.000000
0.011088	0.002045	-0.000000
0.011111	0.002041	0.000000
0.011134	0.002037	~0.000000
		0.000000
0.011156	0.002033	
0.011179	0.002028	-0.000000
0.011202	0.002024	0.000000
0.011224	0.002020	-0.000000
	-	
0.011247	0.002016	0.000000
0.011270	0.002012	-0.000000
0.011293	0.002008	0.000000
0.011315	0.002004	-0.000000
0.011338	0.002000	0.000000
0.011361	0.001996	-0.000000
0.011383	0.001992	0.000000
0.011406	0.001988	-0.000000
		0.000000
0.011429	0.001984	• • • • • • • • •
0.011451	0.001980	-0.000000
0.011474	0.001976	0.000000
0.011497	0.001972	-0.000000
0.011519	0.001969	0.000000
0.011542	0.001965	0.499373
0.011565	0.001961	0.000000
0.011587	0.001957	-0.000000
0.011610	0.001953	0.000000
0.011633	0.001949	-0.000000
0.011655	0.001946	0.000000
	0.001942	-0.000000
0.011678		
0.011701	0.001938	0.000000
0.011723	0.001934	-0.000000
0.011746	0.001931	1.356868
0.011769	0.001927	4.854334
0.011791	0.001923	4.315751
0.011814	0.001919	1.718317
0.011837	0.001916	0.000000
0.011859	0.001912	-0.000000
0.011882	0.001908	0.000000
0.011905	0.001905	0.936441
	0.001901	2.429510
0.011927		
0.011950	0.001898	2.214805
Poulanger 30:	///	Ofizer Inc. of a

Boulanger 30: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.011973	0.001894	0.892802
0.011995	0.001890	-0.000000
0.012018	0.001887	0.000000
0.012041	0.001883	-0.000000
0.012063	0.001880	0.000000
0.012086	0.001876	-0.000000
0.012109	0.001873	0.000000
0.012132	0.001869	0.025088
0.012154	0.001866	1.994829
0.012177	0.001862	3.205456
0.012200	0.001859	2.777256
0.012222	0.001855	2.714776
0.012245	0.001852	1.461185
0.012268	0.001848	0.395720
	0.001845	1,759557
0.012290		
0.012313	0.001842	2.951923
0.012336	0.001838	2.695057
0.012358	0.001835	3.505614
0.012381	0.001832	5.741745
0.012404	0.001828	7.321740
0.012426	0.001825	7.582151
0.012449	0.001821	6.061100
0.012472	0.001818	4.741284
0.012494	0.001815	3.527966
0.012517	0.001812	2.788777
0.012540	0.001808	4.519060
0.012562	0.001805	4.264087
0.012585	0.001802	1.632328
0.012608	0.001799	1.228737
	0.001795	1,463804
0.012630		
0.012653	0.001792	2.220574
0.012676	0.001789	4.607594
0.012698	0.001786	4.977704
0.012721	0.001783	3.510398
0.012744	0.001779	3.565978
0.012766	0.001776	3.363751
0.012789	0.001773	2.296714
0.012812	0.001770	3.110151
0.012834	0.001767	3,916647
0.012857	0.001764	2.927113
0.012880	0.001761	2,402445
0.012902	0.001757	3.132883
0.012925	0.001754	4.282025
0.012948	0.001751	4.805913
0.012971	0.001748	4.724681
0.012993	0.001745	4.125867
0.013016	0.001742	3.765930
0.013039	0.001739	4.530559
		5.425923
0.013061	0.001736	
0.013084	0.001733	6.530627
0.013107	0.001730	6.867395
0.013129	0.001727	4.325947
0.013152	0.001724	2.271319
0.013175	0.001721	3.287029
0.013197	0.001718	6.055679
0.013220	0.001715	8.705225
0.013243	0.001712	8.019490
0.013265	0.001709	4.341346
0.013288	0.001706	1.849572
0.013311	0.001704	0.790190
0.013333	0.001701	0.628326
0.013356	0.001698	-0.000000
0.013379	0.001695	0.000000
0.013401	0.001692	0.183877
0.013424	0.001689	1.495579
0.013447	0.001686	-0.000000
Roulanger 1	· "Varnac V	Pfiver Inc. et a

Boulanger 31: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.043460	0.004604	0.000000
0.013469	0.001684	0.000000
0.013492	0.001681	0.861865
0.013515	0.001678	1.096002
0.013537	0.001675	0.013170
0.013560	0.001672	0.000000
0.013583	0.001669	0.507202
0.013605	0.001667	1.663264
0.013628	0.001664	1.978921
0.013651	0.001661	0.115023
0.013673	0.001658	-0.000000
0.013696	0.001656	0.055234
0.013719	0.001653	0.499235
0.013741	0.001650	2.110765
	0.001647	3.940285
0.013764		
0.013787	0.001645	4.165462
0.013810	0.001642	4.840200
0.013832	0.001639	6.204906
0.013855	0.001637	7.203015
0,013878	0.001634	6.864990
0.013900	0.001631	4.430894
0.013923	0.001629	3.072311
0.013946	0.001626	2.894165
0.013968	0.001623	3.616418
0.013991	0.001621	4.441782
0.014014	0.001618	4.741677
0.014036	0.001616	4.617462
0.014059	0.001613	3.583952
0.014082	0.001610	2.733568
0.014104	0.001608	4.090377
0.014127	0.001605	6.580335
0.014150	0.001603	6,149681
0.014172	0.001600	4.826411
0.014195	0.001597	3.966119
0.014218	0.001595	3.205339
0.014240	0.001592	3.423096
0.014263	0.001590	2.907916
0.014286	0.001587	2.983257
0.014308	0.001585	3.743700
	0.001582	3.890339
0.014331		
0.014354	0.001580	4.677491
0.014376	0.001577	5.615147
0.014399	0.001575	5.518929
0.014422	0.001572	4.613779
0.014444	0.001570	4.550924
0.014467	0.001567	5.604510
0.014490	0.001565	5.620639
0.014512	0.001563	5.184771
0.014535	0.001560	5.056959
0.014558	0.001558	5.203800
0.014580	0.001555	4.194970
0.014603	0.001553	3.315416
0.014626	0.001550	3.956429
0.014649	0.001548	4.400735
0.014671	0.001546	4.974723
0.014694	0.001543	5.874137
0.014717	0.001541	5.405963
0.014739	0.001538	4.419878
0.014762	0.001536	4.960225
0.014785	0.001534	4.826321
0.014807	0.001534	3.584028
0.014830	0.001529	3.572710
0.014853	0.001527	3,791602
0.014875	0.001524	3.301149
0.014898	0.001522	3.791604
0.014921	0.001520	5,605894
0.014943	0.001520	6.445282
Boulanger 32.	"Vargas v 4	Pfizer Inc. et a

Boulanger 32: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

		0.400040
0.014966	0.001515	6.136918
0.014989	0.001513	5.659092
0.015011	0.001511	5.450059
0.015034	0.001508	4.910730
0.015057	0.001506	4.340757
0.015079	0.001504	3.302335
0.015102	0.001502	2.114852
0.015125	0.001499	1.719238
0.015147	0.001497	2.551761
0.015170	0.001495	3,630986
0.015193	0.001493	4.258947
0.015215	0.001490	4.624305
0.015238	0.001488	3.679489
0.015261	0.001486	2,228204
0.015283	0.001484	2.334379
0.015306	0.001481	2.737811
0.015329	0.001479	3.051713
0.015351	0.001477	3.851770
	• •	
0.015374	0.001475	4.390267
0.015397	0.001473	3.940096
0.015420	0.001471	4.257960
0.015442	0.001468	4.004947
0.015465	0.001466	2.431141
0.015488	0.001464	1.112686
0.015510	0.001462	0.463080
	0.001460	0.776010
0.015533		******
0.015556	0.001458	2.342703
0.015578	0.001456	3.990129
0.015601	0.001453	4.085196
0.015624	0.001451	2.596519
0.015646	0.001449	0.744969
0.015669	0.001447	0.630498
0.015692	0.001445	1.491628
0.015714	0.001443	0.484389
0.015737	0.001441	0.810620
0.015760	0.001439	2.524523
0.015782	0.001437	1.623435
0.015805	0.001435	-0.000000
0.015828	0.001433	0.000000
	0.001431	-0.000000
0.015850		
0.015873	0.001429	0.195276
0.015896	0.001427	0.583048
0.015918	0.001425	0.933940
0.015941	0.001422	1.318214
0.015964	0.001420	1.376323
0.015986	0.001418	0.757218
0.016009	0.001416	0.007257
0.016032	0.001414	0.249780
	0.001412	
0.016054		0.286080
0.016077	0.001410	-0.000000
0.016100	0.001408	0.000000
0.016122	0.001406	0.749603
0.016145	0.001404	1.921491
0.016168	0.001403	1.218330
0.016190	0.001401	1.394638
0.016213	0.001399	1.181827
0.016236	0.001397	0.000000
		0.000000
0.016259	0.001395	
0.016281	0.001393	0.000000
0.016304	0.001391	0.000000
0.016327	0.001389	0.000000
0.016349	0.001387	0.000000
0.016372	0.001385	0.000000
0.016395	0.001383	-0.000000
0.016417	0.001381	0.000000
0.016440	0.001379	-0.000000
		-
Boulanger 33.	"Varnas v P	Hizer Inc. et a

Boulanger 33: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.016463	0.001377	0.000000
0.016485	0.001376	-0.000000
0.016508	0.001374	0.000000
0.016531	0.001372	-0.000000
0.016553	0.001370	0.553173
0.016576	0.001368	1.575709
0.016599	0.001366	2.408798
0.016621	0.001364	2.360337
0.016644	0.001362	2.376034
0.016667	0.001361	1.247967
0.016689	0.001359	0.000000
•		
0.016712	0.001357	0.528015
0.016735	0.001355	2.911263
0.016757	0.001353	2.656713
0.016780	0.001351	0.394078
0.016803	0.001350	-0.000000
0.016825	0.001348	0.000000
0.016848	0.001346	-0.000000
0.016871	0.001344	0.000000
0.016893	0.001342	0.396407
0.016916	0.001340	1.414532
		0.681775
0.016939	0.001339	
0.016961	0.001337	0.620630
		-
0.016984	0.001335	0.000000
0.017007	0.001333	0.000000
	0.001332	1.421151
0.017029		
0.017052	0.001330	3.110968
0.017075	0.001328	2.851162
0.017098	0.001326	3.015875
0.017120	0.001325	3.297527
		-
0.017143	0.001323	1.795864
0.017166	0.001321	0.513878
0.017188	0.001319	1.111261
0.017211	0.001318	1.303059
0.017234	0.001316	0.667004
0.017256	0.001314	1.096223
	0.001312	1.932258
0.017279		
0.017302	0.001311	1. <del>9</del> 99059
0.017324	0.001309	2.085066
0.017347	0.001307	1.070184
0.017370	0.001305	0.000000
0.017392	0.001304	-0.000000
0.017415	0.001302	0.332317
0.017438	0.001300	0.473074
0.017460	0.001299	0.0000000
0.017483	0.001297	-0.000000
0.017506	0.001295	0.000000
0.017528	0.001294	0.000000
0.017551	0.001292	0.000000
0.017574	0.001290	0.0000000
0.017596	0.001289	0.000000
0.017619	0.001287	-0.000000
0.017642	0.001285	0.000000
• • • • • • •		
0.017664	0.001284	-0.000000
0.017687	0.001282	0.000000
0.017710	0.001280	-0.000000
0.017732	0.001279	0.000000
0.017755	0,001277	0.000000
0.017778	0.001276	0.000000
0.017800	0.001274	0.000000
0.017823	0.001272	0.000000
	0.001271	0.000000
0.017846		
0.017868	0.001269	0.000000
0.017891	0.001267	0.000000
0.017914	0.001266	0.000000
0.017937	0.001264	0.000000

Boulanger 34: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

6.647060	0.004000	0.000000
0.017959	0.001263	0.000000
0.017982	0.001261	0.000000
0.018005	0.001259	0.000000
0.018027	0.001258	0.000000
• • • • • • • • • • • • • • • • • • • •		0.000000
0.018050	0.001256	
0.018073	0.001255	0.000000
0.018095	0.001253	0.000000
0.018118	0.001252	0.000000
0.018141	0.001250	0.000000
0.018163	0.001248	0.000000
0.018186	0.001247	0.000000
0.018209	0.001245	0.000000
	*	0.000000
0.018231	0.001244	
0.018254	0.001242	0.000000
0.018277	0.001241	0.000000
0.018299	0.001239	0.000000
0.018322	0.001238	0.000000
0.018345	0.001236	0.000000
0.018367	0.001235	0.000000
0.018390	0.001233	0.000000
* - *		0.000000
0.018413	0.001232	
0.018435	0.001230	0.000000
0.018458	0.001229	0.000000
0.018481	0.001227	0.000000
		0.000000
0.018503	0.001225	
0.018526	0.001224	0.000000
0.018549	0.001222	0.000000
0.018571	0.001221	0.000000
	0.001220	0.000000
0.018594		
0.018617	0.001218	0.000000
0.018639	0.001217	0.000000
0.018662	0.001215	0.000000
	0.001214	0.000000
0.018685		
0.018707	0.001212	0.000000
0.018730	0.001211	0.000000
0.018753	0.001209	-0.000000
0.018776	0.001208	0.000000
0.018798	0.001206	0.000000
0.018821	0.001205	0.000000
0.018844	0.001203	0.000000
0.018866	0.001202	0.000000
-	0.001200	0.000000
0.018889		
0.018912	0.001199	0.000000
0.018934	0.001198	0.000000
0.018957	0.001196	0.000000
0.018980	0.001195	-0,000000
0.019002	0.001193	0.000000
0.019025	0.001192	-0.000000
0.019048	0.001190	0.000000
0.019070	0.001189	-0.000000
0.019093	0.001188	0.000000
•		
0.019116	0.001186	0.000000
0.019138	0.001185	0.000000
0.019161	0.001183	0.000000
0.019184	0.001182	0.000000
0.019206	0.001181	0.000000
0.019229	0.001179	0.000000
0.019252	0.001178	0.000000
0.019274	0.001176	0.000000
0.019297	0.001175	0.000000
0.019320	0.001174	0.000000
0.019342	0.001172	0.000000
0.019365	0.001171	0.000000
	0.001170	0.000000
0.019388		O CONTRACT
0.040440		
0.019410	0.001168	0.000000
0.019433		

Boulanger 35: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.019456	0.001166	0.000000
0.019478		0.000000
	0.001164	
0.019501	0.001163	0.000000
0.019524	0.001161	0.000000
0.019546	0.001160	0.000000
	0.001159	0.000000
0.019569		
0.019592	0.001157	0.000000
0.019615	0.001156	0.000000
0.019637	0.001155	0.000000
0.019660	0.001153	0.000000
0.019683	0.001152	0.000000
0.019705	0.001151	-0.000000
0.019728	0.001149	0.000000
0.019751	0.001148	-0.000000
	0.001147	0.000000
0.019773		
0.019796	0.001145	-0.000000
0.019819	0.001144	0.000000
0.019841	0.001143	-0.000000
0.019864	0.001142	0.000000
0.019887	0.001140	-0.000000
0.019909	0.001139	0.000000
0.019932	0.001138	0.000000
0.019955	0.001136	0.000000
	0.001135	0.000000
0.019977		
0.020000	0.001134	0.000000
0.020023	0.001133	0.000000
0.020045	0.001131	0.760966
0.020068	0.001130	0.401430
		0.171665
0.020091	0.001129	
0.020113	0.001127	-0.000000
0.020136	0.001126	0.275582
0.020159	0.001125	1.217449
0.020181	0.001124	1.233897
		0.502745
0.020204	0.001122	
0.020227	0.001121	0.265510
0.020249	0.001120	0.800075
0.020272	0.001119	1.024715
0.020295	0.001117	0.690821
	0.001116	1.016031
0.020317		
0.020340	0.001115	1.421884
0.020363	0.001114	0.584732
0.020385	0.001112	-0.000000
0.020408	0.001111	0.257285
0.020431	0.001110	0.991919
		*
0.020454	0.001109	0.297135
0.020476	0.001107	-0.000000
0.020499	0.001106	0.000000
0.020522	0.001105	0.023706
0.020544	0.001104	0.689815
	0.001103	0.881162
0.020567		
0.020590	0.001101	0.000000
0.020612	0.001100	0.125918
0.020635	0.001099	1,572866
0.020658	0.001098	1.180145
	0.001096	0.000000
0.020680		
0.020703	0.001095	-0.000000
0.020726	0.001094	0.478009
0.020748	0.001093	1.104993
0.020771	0.001092	0.616622
		-0.000000
0.020794	0.001091	
0.020816	0.001089	0.000000
0.020839	0.001088	-0.000000
0.020862	0.001087	0.000000
0.020884	0.001086	-0.000000
	0.001085	0.00000.0
0.020907		
0.020930	0.001083	-0.000000
Doulenger'	36. Marage W	Officer Inc. et a

Boulanger 36: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.020952	0.001082	0.000000
0.020975	0.001081	-0.000000
0.020998	0.001080	0.000000
0.021020	0.001079	0.670733
0.021043	0.001078	0.957052
0.021066	0.001076	-0.000000
0.021088	0.001075	0.207806
	*	
0.021111	0.001074	1.231452
0.021134	0.001073	0.891344
0.021156	0.001072	0.042181
		0.368850
0.021179	0.001071	
0.021202	0.001070	0.589769
0.021224	0.001068	0.000000
0.021247	0.001067	-0.000000
0.021270	0.001066	0.000000
0.021293	0.001065	-0.000000
0.021315	0.001064	0.194579
0.021338	0.001063	0.577821
0.021361	0.001062	0.627626
0.021383	0.001060	0.913529
0.021406	0.001059	0.800466
0.021429	0.001058	-0.000000
0.021451	0.001057	0.200410
0.021474	0.001056	1.077616
0.021497	0.001055	0.879951
0.021519	0.001054	0.624668
0.021542	0.001053	1.003232
0.021565	0.001052	1.434390
0.021587	0.001050	1.194049
0.021610	0.001049	0.627762
0.021633	0.001048	0.000000
0.021655	0.001047	-0.000000
0.021678	0.001046	0.000000
0.021701	0.001045	0.027955
0.021723	0.001044	0.000000
0.021746	0.001043	-0.000000
0.021769	0.001042	0.000000
0.021791	0.001041	-0.000000
0.021814	0.001040	0.000000
0.021837	0.001038	-0.000000
0.021859	0.001037	0.000000
0.021882	0.001036	0.427477
0.021905	0.001035	0.329204
0.021927	0.001034	0.139784
0.021950	0.001033	0.366731
0.021973	0.001032	0.387541
0.021995	0.001031	0.319853
0.022018	0.001030	0.865504
0.022041	0.001029	1.142160
	0.001028	1.831300
0.022063		
0.022086	0.001027	2.265506
0.022109	0.001026	1.520689
0.022132	0.001025	1.556800
0.022154	0.001024	1.242693
0.022177	0.001022	0.000000
0.022200	0.001021	-0.000000
0.022222	0.001020	0.000000
0.022245	0.001019	-0.000000
0.022268	0.001018	0.000000
0.022290	0.001017	-0.000000
0.022313	0.001016	0.823129
0.022336	0.001015	1.259904
0.022358	0.001014	1.456160
0.022381	0.001013	1.302391
0.022404	0.001012	1.545004
0.022426	0.001011	1.260239
U,U&Z#&0	V.VO 10 1 1	
n	W1/	Officer Inc. of a

Boulanger 37: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.022449	0.001010	0.009849
0.022472	0.001009	-0.000000
0.022494	0.001008	0.115056
0.022517	0.001007	0.270359
0.022540	0.001006	0.000000
0.022562	0.001005	-0.000000
0.022585	0.001004	0.000000
0.022608	0.001003	-0.000000
0.022630	0.001002	0.000000
0.022653	0.001001	0.086462
0.022676	0.001000	0.000000
0.022698	0.000999	-0.000000
0.022721	0.000998	0.000000
0.022744	0.000997	-0.000000
0.022766	0.000996	0.000000
0.022789	0.000995	-0.000000
0.022812	0.000994	0,114648
0.022834	0.000993	0.426149
0.022857	0.000992	0.210781
0.022880	0.000991	-0.000000
0.022902	0.000990	0.019569
0.022925	0.000989	0.781381
0.022948	0.000988	1.247215
0.022971	0.000987	0.943327
0.022993	0.000986	0.784468
0.023016	0.000985	0.320760
0.023039	0.000984	0.000000
0.023061	0.000983	0.000000
0.023084	0.000982	0.000000
0.023107	0.000981	0.000000
0.023129	0.000980	0.000000
0.023152	0.000979	-0,000000
0.023175	0.000978	0.000000
0.023197	0.000978	-0.000000

Fig27. Audacity Enhanced Correlation Frequency Analysis DATA 1-bar Loop (Aparthenonia)

Lag (second:	s)	Frequency	(Hz)	Level
0.000023		1.000000		0.000000
0.000045		0.500000		0.000000
0.000068		0.333333		0.000000
0.000091		0.250000		0.000000
0.000113		0.200000		0.000000
0.000136		0.166667		0.000000
0.000159		0.142857		0.000000
0.000181		0.125000		0.000000
0.000204		0.111111		18.669552
0.000227		0.100000		49.882973
0.000249		0.090909		62.977875
0.000272		0.083333		69.884865
0.000295		0.076923		58.590759
0.000317		0.071429		51.701046
0.000340		0.066667		43.640594
0.000363		0.062500		33.619461
0.000385		0.058824		25.040897
0.000408		0.055556		10.577820
0,000431		0.052632		0.000000
0.000454		0.050000		0.000000
0.000476		0.047619		0.000000
0.000499		0.045455		0.000000
0.000522		0.043478		0.000000
0.000544		0.041667		0.000000
0.000567		0.040000		0.000000
0.000590		0.038462		0.000000
0.000612		0.037037		0.000000
0.000635		0.035714		0.000000
	~~			

Boulanger 38: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.000650	0.024402	0.00000
0.000658	0.034483	0.000000
0.000680	0.033333	0.000000
0.000703	0.032258	0.000000
0.000726	0.031250	0.000000
0.000748	0.030303	0.000000
0.000771	0.029412	0.000000
0.000774		
	0.028571	0.000000
0.000816	0.027778	0.000000
0.000839	0.027027	0.000000
0.000862	0.026316	0.000000
0.000884	0.025641	0.000000
0.000907	0.025000	0.000000
0.000930	0.024390	0.000000
0.000952	0.023810	0.000000
0.000975	0.023256	0.000000
0.000998	0.022727	0.000000
0.001020	0.022222	0.000000
0.001043	0.021739	0.000000
0.001066	0.021277	0.000000
0.001088	0.020833	0.000000
0.001111	0.020408	0.000000
0.001111		
	0.020000	0.000000
0.001156	0.019608	0.000000
0.001179	0.019231	0.000000
0.001202	0.018868	0.000000
0.001224	0.018519	0.000000
0.001247	0.018182	0.000000
0.001270	0.017857	0.000000
0.001293	0.017544	0.000000
0.001315	0.017241	0.000000
0.001338	0.016949	0.000000
0.001361	0.016667	0.000000
0.001383	0.016393	0.000000
0.001406	0.016129	0.000000
0.001429	0.015873	0.000000
0.001451	0.015625	0.000000
0.001474	0.015385	0.000000
0.001474	0.015363	
-		0.000000
0.001519	0.014925	0.000000
0.001542	0.014706	0.000000
0.001565	0.014493	0.000000
0.001587	0.014286	0.000000
0.001610	0.014085	0.000000
0.001633	0.013889	0.000000
0.001655	0.013699	0.000000
0.001678	0.013514	0.000000
0.001701	0.013314	
		0.000000
0.001723	0.013158	0.000000
0.001746	0.012987	0.000000
0.001769	0.012821	0.000000
0.001791	0.012658	0.000000
0.001814	0.012500	0.000000
0.001837	0.012346	0.000000
0.001859	0.012195	0.000000
0.001882	0.012048	0.000000
0.001905	0.011905	0.000000
0.001927	0.011765	0.000000
0.001950	0.011628	0.000000
0.001973	0.011494	0.000000
0.001995	0.011364	0.000000
0.002018	0.011236	0.000000
0.002041	0.011111	0.000000
0.002041	0.010989	0.000000
0.002086	0.010870	0.000000
0.002109	0.010753	0.000000
0.002132	0.010638	0.000000
Boulanger 39:	"Vargas v.	Pfizer, Inc. et al

Boulanger 39: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.002154	0.040506	2 202222
	0.010526	
0.002177	0.010417	0.000000
0.002200	0.010309	0.000000
0.002222	0.010204	
0.002245	0.010101	
0.002268	0.010000	0.000000
0.002290	0.009901	0.000000
0.002313	0.009804	
0.002336	0.009709	
0.002358	0.009615	0.000000
0.002381	0.009524	
0.002404	0.009434	
0.002426	0.009346	
0.002449	0.009259	0.000000
0.002472	0.009174	0.000000
0.002494	0.009091	0.000000
0.002517		
	0.009009	0.000000
0.002540	0.008929	0.000000
0.002562	0.008850	0.000000
0.002585	0.008772	0.000000
0.002608	0.008696	
		0.000000
0.002630	0.008621	0.000000
0.002653	0.008547	0.000000
0.002676	0.008475	0.000000
0.002698	0.008403	
		0.000000
0.002721	0.008333	0.000000
0.002744	0.008264	0.000000
0.002766	0.008197	0.000000
0.002789	0.008130	0.000000
0.002812	0.008065	0.000000
0.002834	0.008000	0.000000
0.002857	0.007937	0.000000
0.002880	0.007874	0.000000
0.002902	0.007812	
		0.000000
0.002925	0.007752	0.000000
0.002948	0.007692	0.000000
0.002971	0.007634	0.000000
0.002993	0.007576	0.000000
0.003016		
	0.007519	0.000000
0.003039	0.007463	0.000000
0.003061	0.007407	0.000000
0.003084	0.007353	0.000000
0.003107	0.007299	0.000000
0.003129		
	0.007246	0.000000
0.003152	0.007194	0.000000
0.003175	0.007143	0.000000
0.003197	0.007092	-0.000000
0.003220		
	0.007042	0.000000
0.003243	0.006993	-0.000000
0.003265	0.006944	0.000000
0.003288	0.006897	-0.000000
0.003311	0.006849	
		0.000000
0.003333	0.006803	-0.000000
0.003356	0.006757	0.000000
0.003379	0.006711	-0.000000
0.003401	0.006667	0.000000
0.003424	0.006623	-0.000000
0.003447	0.006579	0.000000
0.003469	0.006536	-0.000000
0.003492	0.006494	0.000000
0.003432		
	0.006452	-0.000000
0.003537	0.006410	0.000000
0.003560	0.006369	-0.000000
0.003583	0.006329	0.000000
0.003605	0.006289	-0.000000
0.003628	0.006250	0.000000
Boulanger 40:	"Vargas v	Pfizer Inc. et al.

Boulanger 40: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.002654	0.006211	0.000000
0.003651		0.004000
0.003673	0.006173	0.000000
0.003696	0.006135	-0.000000
0.003719	0.006098	0.000000
0.003741	0.006061	
0.003764	0.006024	
0.003787	0.005988	-0.000000
0.003810	0.005952	0.000000
0.003832	0.005917	-0.000000
0.003855	0.005882	0.000000
0.003878	0.005848	-0.000000
0.003900	0.005814	0.000000
0.003923	0.005780	-0.000000
0.003946	0.005747	0.000000
0.003968	0.005714	-0.000000
0.003991	0.005682	0.000000
0.004014	0.005650	-0.000000
0.004036	0.005618	0.000000
0.004059		
	0.005587	-0.000000
0.004082	0.005556	0.000000
0.004104	0.005525	-0.000000
0.004127	0.005495	0.000000
0.004150	0.005464	-0.000000
0.004172		
	0.005435	0.000000
0.004195	0.005405	-0.000000
0.004218	0.005376	0.000000
0.004240	0.005348	-0.000000
0.004263	0.005319	0.000000
0.004286	0.005291	-0.000000
0.004308	0.005263	0.000000
0.004331	0.005236	-0.000000
0.004354	0.005208	0.000000
0.004376	0.005181	-0.000000
0.004399	0.005155	0.000000
0.004422	0.005128	-0.000000
0.004444	0.005102	0.000000
0.004467	0.005076	-0.000000
0.004490	0.005051	0.000000
0.004512	0.005025	
		-0.000000
0.004535	0.005000	0.000000
0.004558	0.004975	-0.000000
0.004580	0.004950	0.000000
0.004603	0.004926	-0.000000
0.004626	0.004902	0.000000
0.004649	0.004878	-0.000000
0.004671	0.004854	0.000000
0.004694	0.004831	-0.000000
0.004717	0.004808	0.000000
0.004739	0.004785	-0.000000
0.004762	0.004762	0.000000
0.004785	0.004739	-0.000000
0.004807	0.004717	0.000000
0.004830	0.004695	-0.000000
0.004853	0.004673	0.000000
0.004875	0.004651	
		-0.000000
0.004898	0.004630	0.000000
0.004921	0.004608	-0.000000
0.004943	0.004587	0.000000
0.004966	0.004566	-0.000000
0.004989		
	0.004545	0.000000
0.005011	0.004525	-0.000000
0.005034	0.004505	0.000000
0.005057	0.004484	-0.000000
0.005079	0.004464	0.000000
0.005102	0.004444	
		-0.000000
0.005125	0.004425	0.000000
Boulanger 41 ·	"Varnae v	Pfizer Inc. et al.

Boulanger 41: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.005147	0.004405	-0.000000
0.005170	0.004386	0.000000
0.005193	0.004367	-0.000000
0.005215	0.004348	0.000000
0.005238	0.004329	-0.000000
0.005261	0.004310	0.000000
0.005283	0.004292	-0.000000
0.005306	0.004274	0.000000
0.005329	0.004255	-0.000000
0.005351	0.004237	0.000000
0.005374	0.004237	
0.005374	0.004219	-0.000000
0.005397	0.004202	0.000000
0.005442	0.004167	-0.000000
0.005465		0.000000
0.005488	0.004149	-0.000000
0.005510	0.004132	0.000000
0.005533	0.004115	-0.000000
·	0.004098	0.000000
0.005556	0.004082	-0.000000
0.005578	0.004065	0.000000
0.005601	0.004049	-0.000000
0.005624	0.004032	0.000000
0.005646	0.004016	-0.000000
0.005669	0.004000	0.000000
0.005692	0.003984	-0.000000
0.005714	0.003968	0.000000
0.005737	0.003953	-0.000000
0.005760	0.003937	0.000000
0.005782	0.003922	-0.000000
0.005805	0.003906	0.000000
0.005828	0.003891	-0.000000
0.005850	0.003876	0.000000
0.005873	0.003861	-0.000000
0.005896 0.005918	0.003846	0.000000
0.005941	0.003831 0.003817	-0.000000
0.005964	0.003817	0.000000 -0.000000
0.005986	0.003788	0.000000
0.006009	0.00374	-0.000000
0.006032	0.003759	0.000000
0.006054	0.003745	-0.000000
0.006077	0.003731	0.000000
0.006100	0.003717	-0.000000
0.006122	0.003704	0.000000
0.006145	0.003690	-0.000000
0.006168	0.003676	0.000000
0.006190	0.003663	-0.000000
0.006213	0.003650	0.000000
0.006236	0.003636	-0.000000
0.006259	0.003623	0.000000
0.006281	0.003610	-0.000000
0.006304	0.003597	0.000000
0.006327	0.003584	-0.000000
0.006349	0.003571	0.000000
0.006372	0.003559	-0.000000
0.006395	0.003546	0.000000
0.006417	0.003534	-0.000000
0.006440	0.003521	0.000000
0.006463	0.003509	-0.000000
0.006485	0.003497	0.000000
0.006508	0.003484	-0.000000
0.006531	0.003472	0.000000
0.006553	0.003460	-0.000000
0.006576	0.003448	0.000000
0.006599	0.003436	-0.000000
0.006621	0.003425	0.000000
Boulanger 47	2: "Vargas v. Pf	izer. Inc. et al.

Boulanger 42: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.006644	0.003413	-0.000000
0.006667	0.003401	0.000000
0.006689	0.003390	-0.000000
0.006712	0.003378	0.000000
0.006735	0.003367	-0.000000
0.006757	0.003356	0.000000
0.006780	0.003334	-0.000000
0.006803	0.003333	0.000000
0.006825	0.003332	-0.000000
0.006848	0.003322	0.000000
0.006871	0.003377	-0.000000
0.006893	0.003289	0.000000
0.006916	0.003269	-0.000000
0.006939	0.003279	0.000000
0.006961	0.003268	-0.000000
0.006984	0.003237	0.000000
0.000904	0.003247	
0.007029	0.003236	-0.000000 0.000000
0.007052	0.003226	-0.000000
0.007032	0.003215	
0.007078	0.003205	0.000000
0.007090	0.003195	-0.000000
0.007143	0.003185	0.000000
0.007143	0.003175	-0.000000
0.007188		0.000000
0.007100	0.003155	-0.000000
0.007211	0.003145	0.000000
	0.003135	-0.000000
0.007256 0.007279	0.003125	0.000000
0.007279	0.003115	-0.000000
	0.003106	0.000000
0.007324 0.007347	0.003096	-0.000000
	0.003086	0.000000
0.007370 0.007392	0.003077	-0.000000
0.007392	0.003067 0.003058	0.000000
0.007438	0.003036	-0.000000
0.007460	0.003049	0.000000
0.007483	0.003040	-0.000000 0.000000
0.007403	0.003030	-0.000000
0.007528	0.003021	0.000000
0.007551	0.003012	-0.000000
0.007574	0.003003	0.000000
0.007596	0.002985	-0.000000
0.007619	0.002976	0.000000
0.007642	0.002970	-0.000000
0.007664	0.002959	0.000000
0.007687	0.002950	-0.000000
0.007710	0.002930	0.000000
0.007732	0.002933	-0.000000
0.007755	0.002924	0.000000
0.007778	0.002915	-0.000000
0.007800	0.002917	0.000000
0.007823	0.002899	-0.000000
0.007846	0.002890	0.000000
0.007868	0.002882	-0.000000
0.007891	0.002874	0.000000
0.007914	0.002865	-0.000000
0.007937	0.002857	
0.007959	0.002849	0.000000 -0.000000
0.007982	0.002849	0.000000
0.007962 0.008005	0.002833	
0.008005 0.008027	0.002833	-0.000000
0.008050	0.002825	0.000000
0.008073	0.002817	-0.000000
0.008095	0.002809	0.000000
0.008093	0.002793	-0.000000
		0.000000
Boulanger 4	3: "Vargas v. Pf	izer Inc. et al.

Boulanger 43: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.008141	0.002786	D 000000
0.008163	0.002788	
	· ·	
0.008186	0.002770	
0.008209	0.002762	********
0.008231	0.002755	
0.008254	0.002747	0.000000
0.008277	0.002740	-0.000000
0.008299	0.002732	0.000000
0.008322	0.002725	-0.000000
0.008345	0.002717	*******
0.008367	0.002710	
0.008390	0.002703	
0.008413	0.002705	
0.008435	0.002688	0.000000
0.008458	0.002681	
		-0.000000
0.008481	0.002674	0.000000
0.008503	0.002667	-0.000000
0.008526	0.002660	0.000000
0.008549	0.002653	-0.000000
0.008571	0.002646	0.000000
0.008594	0.002639	-0.000000
0.008617	0.002632	0.000000
0.008639	0.002625	-0.000000
0.008662	0.002618	0.000000
0.008685	0.002611	-0.000000
0.008707	0.002604	0.000000
0.008730	0.002597	-0.000000
0.008753	0.002591	0.000000
0.008776		
0.008798	0.002584	-0.000000
	0.002577	0.000000
0.008821	0.002571	-0.000000
0.008844	0.002564	0.000000
0.008866	0.002558	-0.000000
0.008889	0.002551	0.000000
0.008912	0.002545	-0.000000
0.008934	0.002538	0.000000
0.008957	0.002532	-0.000000
0.008980	0.002525	0.000000
0.009002	0.002519	-0.000000
0.009025	0.002513	0.000000
0.009048	0.002506	-0.000000
0.009070	0.002500	0.000000
0.009093	0.002494	-0.000000
0.009116	0.002488	0.000000
0.009138	0.002481	-0.000000
0.009161	0.002475	0.000000
0.009184	0.002469	-0.000000
0.009206	0.002463	
0.009208	0.002463	0.000000
		-0.000000
0.009252	0.002451	0.000000
0.009274	0.002445	-0.000000
0.009297	0.002439	0.000000
0.009320	0.002433	-0.000000
0.009342	0.002427	0.000000
0.009365	0.002421	-0.000000
0.009388	0.002415	0.000000
0.009410	0.002410	-0.000000
0.009433	0.002404	0.000000
0.009456	0.002398	-0.000000
0.009478	0.002392	0.000000
0.009501	0.002387	-0.000000
0.009524	0.002381	
0.009546		0.000000
	0.002375	-0.000000
0.009569	0.002370	0.000000
0.009592	0.002364	-0.000000
0.009615	0.002358	0.000000
Raulanger 44.	"Varnas v	Pfizer Inc. et al.

Boulanger 44: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.009637	0.002353	-0.000000	
0.009660	0.002347	0.000000	
0.009683	0.002342	-0.000000	
0.009705	0.002336	0.000000	
0.009728	0.002331	-0.000000	
0.009751	0.002326	0.000000	
0.009773	0.002320	-0.000000	
0.009796	0.002325	0.000000	
0.009730	0.002319	-0.000000	
0.009841	0.002309	0.000000	
0.009864			
0.009887	0.002299	-0.000000	
0.009909	0.002294	0.000000	
	0.002288	-0.000000	
0.009932	0.002283	0.000000	
0.009955	0.002278	-0.000000	
0.009977	0.002273	0.000000	
0.010000	0.002268	-0.000000	
0.010023	0.002262	0.000000	
0.010045	0.002257	-0.000000	
0.010068	0.002252	0.000000	
0.010091	0.002247	-0.000000	
0.010113	0.002242	0.000000	
0.010136	0.002237	-0.000000	
0.010159	0.002232	0.000000	
0.010181	0.002227	-0.000000	
0.010204	0.002222	0.000000	
0.010227	0.002217	-0.000000	
0.010249	0.002212	0.000000	
0.010272	0.002208	-0.000000	
0.010295	0.002203	0.000000	
0.010317	0.002198	-0.000000	
0.010340	0.002193	0.000000	
0.010363	0.002188	-0.000000	
0.010385	0.002183	0.000000	
0.010408	0.002179	-0.000000	
0.010431	0.002174	0.000000	
0.010454	0.002169	-0.000000	
0.010476	0.002165	0.000000	
0.010499	0.002160	-0.000000	
0.010522	0.002155	0.000000	
0.010544	0.002151	-0.000000	
0.010567	0.002146	0.000000	
0.010590	0.002141	-0.000000	
0.010612	0.002137	0.000000	
0.010635	0.002132	-0.000000	
0.010658	0.002128	0.000000	
0.010680	0.002123	-0.000000	
0.010703	0.002119	0.000000	
0.010726	0.002114	-0.000000	
0.010748	0.002110	0.000000	
0.010771	0.002105	-0.000000	
0.010794	0.002101	0.000000	
0.010816	0.002096	-0.000000	
0.010839	0.002092	0.000000	
0.010862	0.002088	-0.000000	
0.010884	0.002083	0.000000	
0.010907	0.002079	-0.000000	
0.010930	0.002075	0.000000	
0.010952	0.002070	-0.000000	
0.010975	0.002066	0.000000	
0.010998	0.002062	-0.000000	
0.011020	0.002058	0.000000	
0.011043	0.002053	-0.000000	
0.011066	0.002049	0.000000	
0.011088	0.002045	-0.000000	
0.011111	0.002041	0.000000	
Boulanger 4	5: "Vargas v. Pf	izer, Inc. et al.,	SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"
		·	, ,

0.011134	0.002037	-0.000000
0.011156	0.002033	0.000000
0.011179	0.002028	-0.000000
0.011202	0.002024	0.000000
0.011224	0.002020	-0.000000
0.011247	0.002020	0.000000
0.011270	0.002010	-0.000000
0.011293	0.002012	0.000000
0.011315	0.002004	-0.000000
0.011338	0.002004	0.000000
0.011361	0.001996	-0.000000
0.011383	0.001990	0.000000
0.011406	0.001988	-0.000000
0.011429	0.001984	0.000000
0.011451	0.001980	-0.000000
0.011474	0.001976	0.000000
0.011497	0.001970	-0.000000
0.011519	0.001972	0.000000
0.011542	0.001965	-0.000000
0.011542	0.001961	0.000000
0.011587	0.001957	
0.011610	0.001957	-0.000000
0.011633	0.001953	0.000000
0.011655	0.001949	-0.000000 0.000000
0.011678		
0.011701	0.001942 0.001938	-0.000000 0.00000
0.011701	0.001936	
0.011746	0.001934	-0.000000
0.011748	0.001931	0.000000
0.011789	0.001927	0.808258
0.011814		0.641052
0.011837	0.001919	0.892074
0.011859	0.001916	0.843530
0.011882	0.001912 0.001908	0.589923
0.011905	0.001905	1.221856
0.011903	0.001905	1.812258
0.011927	0.001901	2.073065
0.011973	0.001894	1.794521
0.011975	0.001890	0.163437 -0.000000
0.012018	0.001887	0.000000
0.012041	0.001883	-0.000000
0.012063	0.001880	0.000000
0.012086	0.001876	-0.000000
0.012109	0.001873	0.000000
0.012132	0.001869	0.818218
0.012154	0.001866	1.101695
0.012177	0.001862	1.196628
0.012200	0.001859	1.232234
0.012222	0.001855	0.712272
0.012245	0.001852	0.453743
0.012268	0.001848	0.694763
0.012290	0.001845	0.668010
0.012313	0.001842	1.090125
0.012336	0.001838	1.728920
0.012358	0.001835	1.970919
0.012381	0.001832	2.547507
0.012404	0.001828	3.284037
0.012426	0.001825	3,554055
0.012449	0.001821	3.288257
0.012472	0.001821	2.104790
0.012494	0.001815	0.905991
0.012517	0.001813	0.903991
0.012540	0.001812	1.113813
0.012562	0.001805	1.346493
0.012585	0.001802	2.479781
0.012608	0.001002	3.920736
		3.920730 Pfizer Inc et al
пошаллег 40	I Varnac V	rtiter inc of oi

Boulanger 46: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.012630	0.001795	4.347955
0.012653	0.001792	
0.012676	0.001789	
0.012698	0.001786	3.517332
0.012721	0.001783	2.688346
0.012744	0.001779	
0.012766	0.001776	
0.012789		
	0.001773	
0.012812	0.001770	2.103060
0.012834	0.001767	1.160695
0.012857	0.001764	0.499367
0.012880	0.001761	0.983003
0.012902	0.001757	2.233394
0.012925	0.001754	
		2.969776
0.012948	0.001751	3.546423
0.012971	0.001748	3.884597
0.012993	0.001745	3.748905
0.013016	0.001742	3.979084
0.013039	0.001739	3.627683
0.013061	0.001736	2.714820
0.013084	0.001733	2.546650
0.013107	0.001730	2.532441
0.013129	0.001727	1.813203
0.013152	0.001724	1.321680
0.013175	0.001721	1.647390
0.013197	0.001718	2,777740
0.013220	0.001715	3.624499
0.013243		
	0.001712	3.254443
0.013265	0.001709	2.728869
0.013288	0.001706	2.261204
0.013311	0.001704	1.098860
0.013333	0.001701	0.561560
0.013356	0.001698	0.942437
0.013379	0.001695	1.284463
0.013401	0.001692	1.317001
0.013424	0.001689	0.763905
0.013447	0.001686	0.039849
0.013469	0.001684	0.213438
0.013492	0.001681	0.512577
0.013515	0.001678	0.084196
0.013537	0.001675	-0.000000
0.013560	0.001673	
		0.756541
0.013583	0.001669	1.570849
0.013605	0.001667	1.034311
0.013628	0.001664	0.166570
0.013651	0.001661	0.422000
0.013673	0.001658	0.478493
0.013696	0.001656	0.196840
0.013719	0.001653	
		0.905499
0.013741	0.001650	1.644683
0.013764	0.001647	2.048052
0.013787	0.001645	2.208261
0.013810	0.001642	2.126045
0.013832	0.001639	2.679866
0.013855	0.001637	3,443489
0.013878	0.001634	
		3.578214
0.013900	0.001631	3.534057
0.013923	0.001629	3.165654
0.013946	0.001626	2.384752
0.013968	0.001623	2.491642
0.013991	0.001621	2.589838
0.014014	0.001618	2,275225
0.014036	0.001616	2.441985
0.014059	0.001613	2.196888
0.014082	0.001610	1.586583
0.014104	0.001608	2.125755
Roulanger 47.	"Vargae "	Officer Inc. et a

Boulanger 47: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.014127	0.001605	2.935488
0.014150	0.001603	
		3.047837
0.014172	0.001600	2.773730
0.014195	0.001597	2.255352
0.014218	0.001595	2.017529
0.014240	0.001592	2.095798
0.014263	0.001590	1.960902
0.014286	0.001587	2.189210
0.014308	0.001585	2.431791
0.014331	0.001582	2.658551
0.014354	0.001580	3.874837
0.014376	0.001577	5.247653
0.014399	0.001575	5.339801
0.014422	0.001572	5.091010
0.014444	0.001570	4.866868
0.014467	0.001567	4.730077
0.014490	0.001565	4.290058
0.014512	0.001563	3.744851
0.014535	0.001560	3.781959
0.014558	0.001558	4.053973
0.014580	0.001555	3.532215
0.014603	0.001553	3.325413
0.014626	0.001550	3.787084
0.014649	0.001548	4.419772
0.014671	0.001546	5.202283
0.014694	0.001543	5.391574
0.014717	0.001541	4,839568
0.014739	0.001538	4.589694
0.014762	0.001536	4.094831
0.014785	0.001534	3,645138
0.014807	0.001531	3.962634
0.014830	0.001529	3.992508
0.014853	0.001527	3.289826
0.014875	0.001524	2.622720
0.014898	0.001522	2.549607
0.014921	0.001520	3.114512
0.014943	0.001517	3.766804
0.014966	0.001515	4.219452
0.014989	0.001513	4.830597
0.015011	0.001511	5.485577
0.015034	0.001508	5.632105
0.015057	0.001506	5.611520
0.015079	0.001504	4.957497
0.015102	0.001502	4.080578
0.015125	0.001499	3.738961
0.015147	0.001497	3.660589
		3.000303
0.015170	0.001495	3.687729
0.015193	0.001493	4.012693
0.015215	0.001490	3.976528
0.015238	0.001488	3,466408
0.015261	0.001486	3.192668
0.015283	0.001484	3.483256
0.015306	0.001481	3.482003
0.015329	0.001479	3.122925
0.015351	0.001477	3,307907
0.015374	0.001475	3.678283
0.015397	0.001473	3,490303
0.015420	0.001471	3.517976
0.015442	0.001468	3.459229
0.015465	0.001466	2.501504
0.015488	0.001464	1.589100
0.015510	0.001462	1.268119
0.015533	0.001460	1.198435
0.015556	0.001458	1.912790
0.015578	0.001456	2.571959
0.015601	0.001453	2.365465
Boulanger 48	"\/arase	Officer Inc. et a

Boulanger 48: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.015624	0.001451	1.859181
0.015646	0.001449	1.675969
0.015669	0.001447	1.911246
0.015692	0.001445	2.490105
0.015714	0.001443	2.399604
0.015737	0.001441	1.935895
0.015760	0.001439	1.641896
0.015782	0.001437	1.234890
0.015805	0.001435	1.096938
0.015828	0.001433	1.727972
0.015850	0.001431	1.966495
0.015873	0.001429	1.695510
0.015896	0.001427	1.538760
0.015918	0.001425	1.615469
0.015941	0.001422	1.589440
0.015964	0.001420	1.103308
0.015986	0.001428	0.429720
0.016009	0.001416	0.000000
0.016032	0.001414	-0.000000
0.016054	0.001412	0.076131
0.016077	0.001410	1.226439
0.016100	0.001408	1.678581
0.016122	0.001406	1.894006
0.016145	0.001404	2.155167
0.016168	0.001403	1.655574
0.016190	0.001401	1.063557
0.016213	0.001399	0.940283
0.016236	0.001397	0.892614
0.016259	0.001395	0.936819
0.016281	0.001393	0.545576
0.016304	0.001391	-0.000000
0.016327	0.001389	0.406217
0.016349	0.001387	1.123076
0.016372	0.001385	0.837564
0.016395	0.001383	0.435499
0.016417	0.001381	0.246314
0.016440	0.001379	0.118038
0.016463	0.001377	0.338763
0.016485	0.001376	0.529351
0.016508	0.001374	0.794399
0.016531	0.001372	1.654784
0.016553	0.001370	2.405742
0.016576	0.001368	1.871537
0.016599	0.001366	0.867389
0.016621	0.001364	0.754460
0.016644	0.001362	1.446466
0.016667	0.001361	1.685025
0.016689	0.001359	1.797152
0.016712	0.001357	2.423989
0.016735	0.001355	3.046635
0.016757	0.001353	3.150455
0.016780	0.001351	2.919232
0.016803	0.001350	2.608751
0.016825	0.001348	2.323983
0.016848	0.001346	1.684370
0.016871	0.001344	1.122727
0.016893	0.001342	1.132645
0.016916	0.001340	1.045161
0.016939 0.016961	0.001339	0.524435
0.016961 0.016984	0.001337	0.636367
0.01 <del>6</del> 984 0.017007	0.001335	1.073568
0.017007 0.017029	0.001333	1.488142
0.017029 0.017052	0.001332	1.923570
0.017052 0.017075	0.001330 0.001328	2.200573
0.017075 0.017098	0.001328	2.569500
		3.227269
⊌oulanger 49:	"Vargas v. F	Hizer, Inc. et al

Boulanger 49: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.017120	0.001325	2 467046
0.017143		3.167816
	0.001323	2.781547
0.017166	0.001321	2.726778
0.017188	0.001319	2.699819
0.017211	0.001318	2.176764
0.017234	0.001316	1.349809
0.017256	0.001314	0.842351
0.017279	0.001312	1.044726
0.017302	0.001311	1.466872
0.017324	0.001309	1.626019
0.017347	0.001307	1.176054
0.017370	0.001305	0.617188
0.017392	0.001304	0.675509
0.017415	0.001302	1.274149
0.017438	0.001302	-
		1.338144
0.017460	0.001299	0.939047
0.017483	0.001297	0.558172
0.017506	0.001295	0.356975
0.017528	0.001294	0.462404
0.017551	0.001292	0.649068
0.017574	0.001290	0.424842
0.017596	0.001289	0.074442
0.017619	0.001287	-0.000000
0.017642	0.001285	0.000000
0.017664	0.001284	-0.000000
0.017687	0.001282	0.000000
0.017710	0.001280	-0.000000
0.017732	0.001279	0.000000
0.017755	0.001277	
		-0.000000
0.017778	0.001276	0.000000
0.017800	0.001274	-0.000000
0.017823	0.001272	0.000000
0.017846	0.001271	0.000803
0.017868	0.001269	0.000000
0.017891	0.001267	-0.000000
0.017914	0.001266	0.000000
0.017937	0.001264	
		-0.000000
0.017959	0.001263	0.000000
0.017982	0.001261	-0.000000
0.018005	0.001259	0.000000
0.018027	0.001258	-0.000000
0.018050	0.001256	0.000000
0.018073	0.001255	-0.000000
0.018095	0.001253	0.000000
0.018118	0.001253	-0.000000
0.018141	0.001250	0.000000
0.018163	0.001248	-0.000000
0.018186	0.001247	0.000000
0.018209	0.001245	-0.000000
0.018231	0.001244	0.000000
0.018254	0.001242	0.021137
0.018277	0.001241	0.000000
0.018299	0.001239	
		-0.000000
0.018322	0.001238	0.000000
0.018345	0.001236	-0.000000
0.018367	0.001235	0.000000
0.018390	0.001233	-0.000000
0.018413	0.001232	0.000000
0.018435	0.001230	-0.000000
0.018458	0.001239	0.000000
0.018481	0.001229	
		-0.0000000
0.018503	0.001225	0.488376
0.018526	0.001224	0.602517
0.018549	0.001222	0.100377
0.018571	0.001221	-0.000000
0.018594	0.001220	0.000000
	0: "Vargas v. Pf	
ooulander )	u. "Vardas V. Pf	izer. Inc. et al

Boulanger 50: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.018617	0.001218	-0.000000
0.018639	0.001217	0.000000
0.018662	0.001215	-0.000000
0.018685	0.001214	0.000000
0.018707	0.001212	-0.000000
0.018730	0.001211	0.000000
0.018753	0.001209	-0.000000
0.018776	0.001208	0.000000
0.018798	0.001206	-0.000000
0.018821	0.001205	0.016803
0.018844	0.001203	-0.000000
0.018866	0.001202	0.000000
0.018889	0.001200	-0.000000
0.018912	0.001199	0.000000
0.018934	0.001198	-0.000000
0.018957	0.001196	0.000000
0.018980	0.001196	
		-0.000000
0.019002	0.001193	0.000000
0.019025	0.001192	-0.000000
0.019048	0.001190	0.000000
0.019070	0.001189	-0.000000
0.019093	0.001188	0.000000
0.019116	0.001186	-0.000000
0.019138	0.001185	0.000000
0.019161	0.001183	-0.000000
0.019184	0.001182	0.000000
0.019206	0.001181	-0.000000
0.019229	0.001179	0.000000
0.019252	0.001178	-0.000000
0.019274	0.001176	0.000000
0.019297	0.001175	-0.000000
0.019320	0.001174	0.000000
0.019342	0.001172	-0.000000
0.019365	0.001171	0.000000
0.019388	0.001170	-0.000000
0.019410	0.001168	0.000000
0.019433	0.001167	-0.000000
0.019456	0.001166	0.000000
0.019478	0.001164	-0.000000
0.019501	0.001163	0.000000
0.019524	0.001161	-0.000000
0.019546	0.001160	0.000000
0.019569	0.001159	-0.000000
0.019592	0.001157	0.000000
0.019615	0.001156	-0.000000
0.019637	0.001155	
		0.000000
0.019660	0.001153	-0.000000
0.019683	0.001152	0.000000
0.019705	0.001151	-0.000000
0.019728	0.001149	0.000000
0.019751	0.001148	-0.000000
0.019773	0.001147	0.000000
0.019796	0.001145	-0.000000
0.019819	0.001144	0.000000
0.019841	0.001143	-0.000000
0.019864	0.001142	0.000000
0.019887	0.001140	-0.000000
0.019909	0.001139	0.000000
0.019932	0.001138	-0.000000
0.019955	0.001136	
		0.000000
0.019977	0.001135	-0.000000
0.020000	0.001134	0.000000
0.020023	0.001133	-0.000000
0.020045	0.001131	0.000000
0.020068	0.001130	-0.000000
0.020091	0.001129	0.000000
Boulanger 51	: "Vargas v. Pi	lizer. Inc. et al

Boulanger 51: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.000442	0.004407	0.000000
0.020113	0.001127	-0.000000
0.020136	0.001126	0.000000
0.020159	0.001125	-0.000000
0.020181	0.001124	0.000000
0.020204	0.001122	-0.000000
0.020227	0.001121	0.000000
0.020249	0.001120	-0.000000
0.020272	0.001119	0.000000
0.020295	0.001117	0.139502
0.020317	0.001116	0.016664
0.020340	0.001115	-0.000000
0.020363	0.001114	0.000000
0.020385	0.001112	-0.000000
0.020408	0.001111	0.000000
0.020431	0.001110	-0.000000
0.020454	0.001109	0.000000
0.020476	0.001107	-0.000000
0.020499	0.001106	0.000000
0.020522	0.001105	-0.000000
0.020544	0.001104	0.000000
0.020567	0.001103	-0.000000
0.020590	0.001101	0.000000
	0.001101	
0.020612		-0.000000
0.020635	0.001099	0.000000
0.020658	0.001098	-0.000000
0.020680	0.001096	0.000000
0.020703	0.001095	-0.000000
0.020726	0.001094	0.143600
0.020748	0.001093	0.112649
0.020771	0.001092	0.000000
0.020794	0.001091	-0.000000
0.020816	0.001089	0.000000
0.020839	0.001088	-0.000000
0.020862	0.001087	0.000000
0.020884	0.001086	-0.000000
0.020907	0.001085	0.000000
–		
0.020930	0.001083	-0.000000
0.020952	0.001082	0.000000
0.020975	0.001081	-0.000000
0.020998	0.001080	0.000000
0.021020	0.001079	-0.000000
0.021043	0.001078	0.000000
0.021066	0.001076	-0.000000
0.021088	0.001075	0.000000
0.021111	0.001074	-0.000000
0.021134	0.001073	0.000000
0.021156	0.001072	-0.000000
0.021179	0.001071	0.000000
0.021202	0.001070	-0.000000
0.021224	0.001068	0.000000
0.021247	0.001067	-0.000000
0.021270	0.001066	0.000000
0.021293	0.001065	0.505641
0.021315	0.001064	0.402523
0.021338	0.001063	0.130359
0.021361	0.001062	0.000000
0.021383	0.001060	-0.000000
0.021406	0.001059	0.000000
0.021429	0.001058	-0.000000
0.021451	0.001057	0.000000
0.021474	0.001056	-0.000000
0.021497	0.001055	0.000000
0.021519	0.001054	-0.000000
0.021542	0.001053	0.000000
0.021565	0.001053	
	. –	-0.000000
0.021587	0.001050	0.000000
Boulanger 52.	"Vargae v	Pfizer Inc. et al.

Boulanger 52: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.004040	0.004040	0.407040
0.021610	0.001049	0.137918
0.021633	0.001048	0.273002
0.021655	0.001047	0.046379
0.021678	0.001046	0.000000
0.021701	0.001045	-0.000000
0.021723	0.001044	0.000000
0.021746	0.001043	-0.000000
0.021769	0.001042	0.000000
0.021791	0.001041	-0.000000
0.021814	0.001040	0.000000
0.021837	0.001038	-0.000000
0.021859	0.001037	0.000000
0.021882	0.001036	0.113582
0.021905	0.001035	0.275741
0.021927	0.001034	0.514726
0.021950	0.001033	0.680490
0.021973	0.001032	0.751012
0.021995	0.001031	0.587506
0.022018	0.001030	0.573894
0.022041	0.001029	0.574298
0.022063	0.001028	0.461707
0.022086	0.001027	0.470955
0.022109	0.001026	0.586178
0.022132	0.001025	0.740651
0.022154		
	0.001024	0.609034
0.022177	0.001022	0.166547
0.022200	0.001021	-0.000000
0.022222	0.001020	0.183208
0.022245	0.001019	0.451758
0.022268	0.001018	0.752521
0.022290	0.001017	1.040144
0.022313	0.001016	0.997396
0.022336	0.001015	0.889589
0.022358	0.001013	
		0.988313
0.022381	0.001013	1,154893
0.022404	0.001012	1.037488
0.022426	0.001011	0.403398
0.022449	0.001010	0.000000
0.022472	0.001009	-0.000000
0.022494	0.001008	0.140138
0.022517	0.001007	0.754326
0.022540	0.001006	0.803037
0.022562	0.001005	0.543962
0.022585	0.001004	0.354530
0.022608	0.001003	-0.000000
0.022630	0.001002	0.000000
0.022653	0.001001	-0.000000
0.022676	0.001000	0.000000
0.022698	0.000999	-0.000000
0.022721	0.000998	0.000000
0.022744	0.000997	-0.000000
0.022766	0.000996	0.000000
0.022789		
	0.000995	-0.000000
0.022812	0.000994	0.151725
0.022834	0.000993	0.151030
0.022857	0.000992	0.293448
0.022880	0.000991	0.448877
-		
0.022902	0.000990	0.448485
0.022925	0.000989	0.765448
0.022948	0.000988	0.955394
0.022971	0.000987	0.570674
0.022993	0.000986	0.097096
0.023016	0.000985	-0.000000
0.023039	0.000984	0.000000
0.023061	0.000983	-0.000000
0.023084	0.000982	
		0.000000
Boulanger 53:	"Vargas v.	Pfizer, Inc. et al

Boulanger 53: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"

0.023107	0.000981	-0.000000
0.023129	0.000980	0.000000
0.023152	0.000979	-0.000000
0.023175	0.000978	0.000000
0.023197	0.000978	-0.000000

Fig28. Audacity Enhanced Correlation Frequency Analysis DATA 1-bar Loop (Funky Drummer)

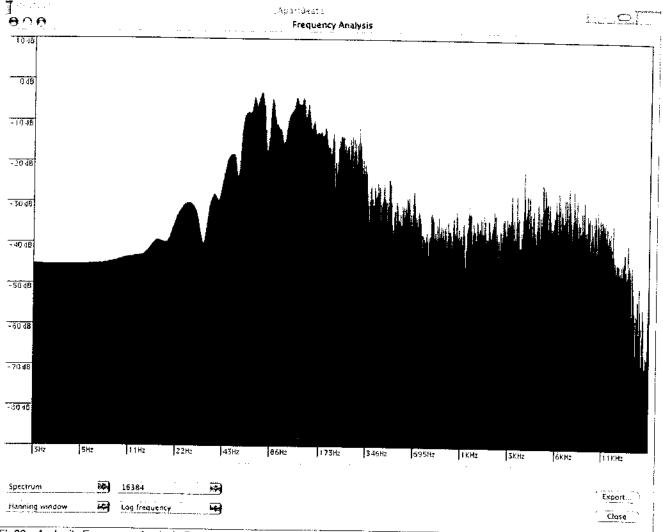


Fig29. Audacity Frequency Analysis Beat 1 (Aparthenonia)

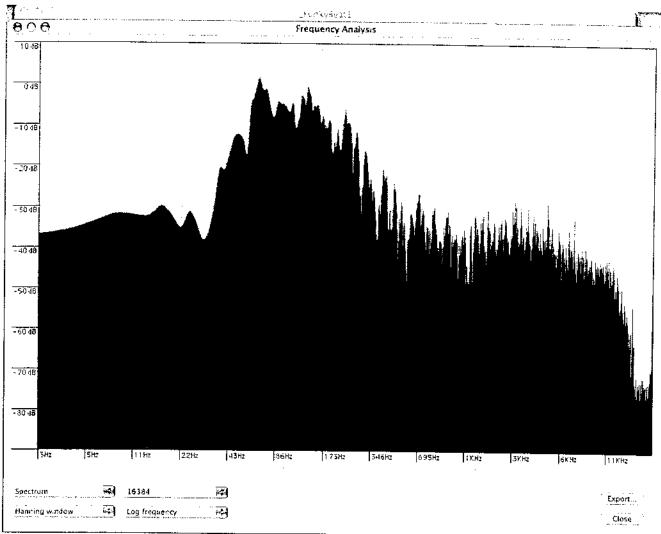


Fig30. Audacity Frequency Analysis Beat 1 (Funky Drummer)

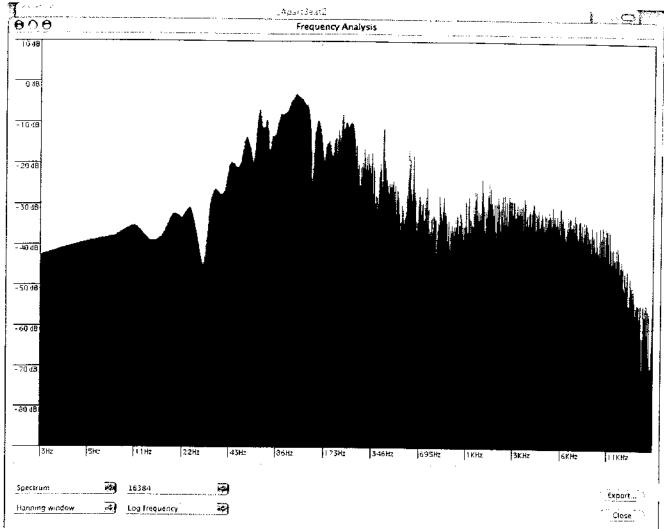


Fig31. Audacity Frequency Analysis Beat 2 (Aparthenonia)

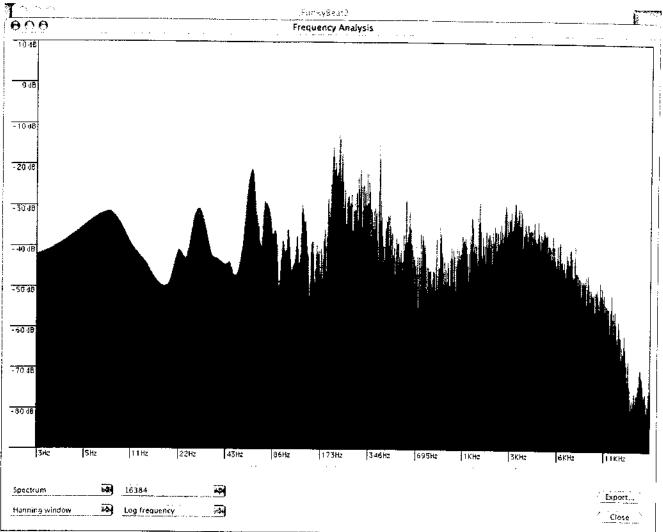


Fig32. Audacity Frequency Analysis Beat 2 (Funky Drummer)

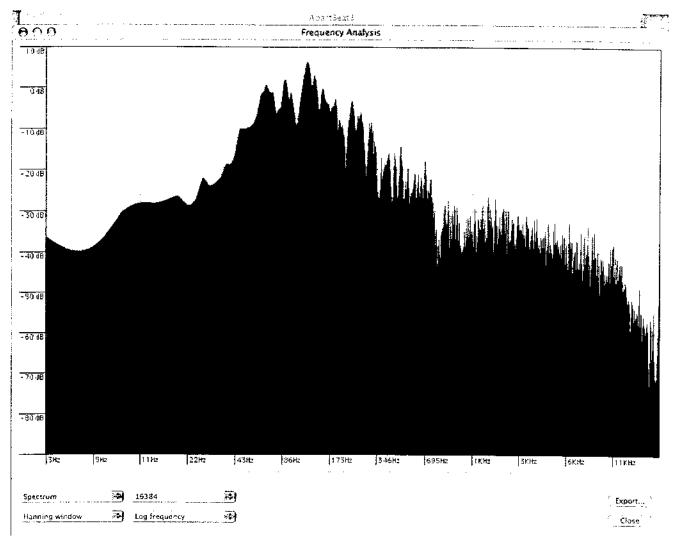


Fig33. Audacity Frequency Analysis Beat 3 (Aparthenonia)

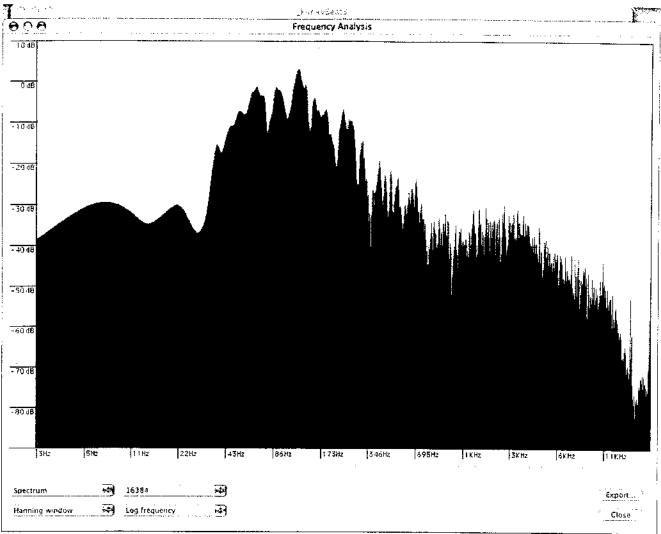


Fig34. Audacity Frequency Analysis Beat 3 (Funky Drummer)

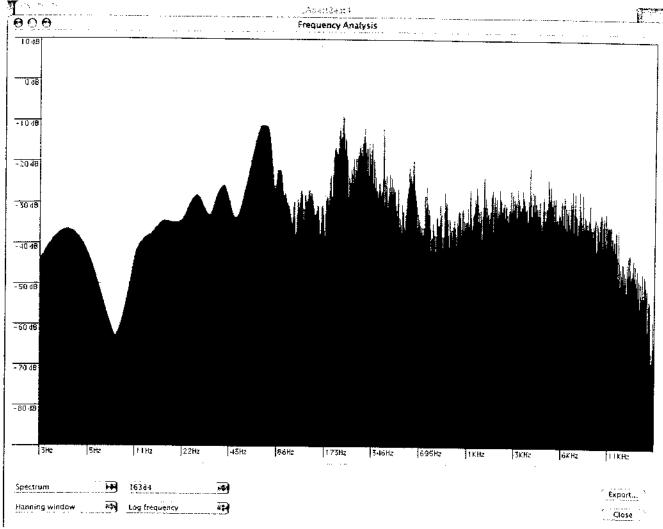


Fig35. Audacity Frequency Analysis Beat 4 (Aparthenonia)

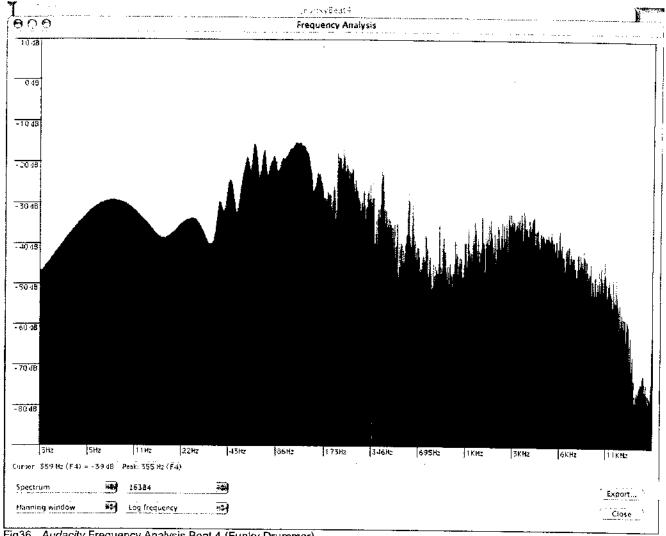


Fig36. Audacity Frequency Analysis Beat 4 (Funky Drummer)

If required, I would be happy to provide and even more detailed set of data, figures, and a more detailed analysis of these figures and data, but in my expert opinion, it does not seem necessary given that, even to the non-expert eye, these illustrations clearly indicate that the frequency content of the two works at issue, on a 1-bar level, and on an individual beat by beat level are distinct. Waveform views can look deceivingly similar (although it is shown above that these too have clearly original characteristics), however, as all of these comparison figures show, an FFT-Analysis (in which the algorithm has the same exact analysis settings) reveals what is truly and completely unique about an audio signal - the unique DNA of the sound, the sonic fingerprint. All of these figures above clearly show that the audio source materials used in Aparthenonia is unique and original, and is not at all based on or copied or derived from Funky Drummer II,

Richard Boulanger, Ph.D.

Boulanger 61: "Vargas v. Pfizer, Inc. et al., SDNY Cause No. 04-CV-9772 (WHP) - Expert opinion and FFT Analysis"